NOVA BEDFORDIA CONDITA A.D. 1787
LUCEM DIFFUNDO
CIVITATIS REGIMINE DONATA A.D. 1847

CITY DOCUMENTS.

Mayor's Address to the Council

City Government, Annual Reports, Etc.

FOR THE YEAR 1901-1902.

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, CITY PRINTERS.
1902.

TYPOGRAPHICAL
UNION
LABEL
NEW BEDFORD Nº 215

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1902 — CITY DOCUMENT No. 1.

EIGHTH INAUGURAL ADDRESS

OF

HON. CHARLES S. ASHLEY

MAYOR OF NEW BEDFORD

AT THE

INAUGURATION OF THE CITY GOVERNMENT

JANUARY 6, 1902.

NEW BEDFORD:
THE A. E. COFFIN PRESS, CITY PRINTERS
1902.

Eighth Inaugural Address

of

Hon. Charles S. Ashley.

Gentlemen of the City Council:

We are assembled in convention this morning for the inauguration of the municipal government of New Bedford for the year 1902. We have been elected by the people for the purpose of properly conducting the business affairs of the city. In accepting office, we should dedicate ourselves to the task of performing the duties which devolve upon us in such a manner that we shall merit the approval of the people. It is the province of the City Council to legislate and to promptly provide measures and means for the other branches of government to properly carry out the detail of the municipal business.

To legislate requires a harmony of purpose, if not of ideas.

That purpose should be to advance the interests of the city.

Party association should not influence nor political considerations incline you to promote unwise, extravagant measures, or on the other hand, to obstruct legislation manifestly to the advantage of the municipality.

I am hopeful that the members of the City Council of 1902 will devote themselves to the service which they have accepted; that they will be regular in attendance at the meetings; and that they will fairly consider and act promptly and honestly upon every matter brought before them.

An important function of the city government relates to finances.

Attention and economy must be observed in the appropriation of money, but every just claim against the city must be provided for. Complete reports of the items of receipt and expenditure and the liabilities of the city will soon be placed before you and should receive your careful examination.

A brief statement prepared by the City Treasurer and Collector of Taxes of the transactions of the last financial year follows:

TAXES.

The tax levy for 1901 was as follows :

State tax	$34,685.00	
County tax	89,306.99	
City appropriations	976,905.41	
Overlay	26,099.70	$1,126,997.10

PAYMENTS.

State Treasurer, State tax	$34,685.00	
County Treasurer, County tax	89,306.99	
City Treasurer, City appropriations	920,153.28	
Abatements by the Assessors	8,400.48	
Balance unpaid, December 2, 1901	74,451.35	$1,126,997.10

From the foregoing statement it will be seen that 93 4-10 per cent. of the taxes of 1901 have been collected to this date, a good showing when we take into consideration that the large discount formerly allowed for the prompt payment of taxes has been discontinued.

Taxes of 1901, uncollected December 2, 1901	$74,451.35
Appropriations general, 1901, as per Auditor's statement	55,946.42
Excess of taxes over appropriations	$18,504.93

The excess is due to the liberal overlay provided by the Assessors for the year, for reasons which have been explained by that Board.

Of the taxes of 1900 and previous years, the collections amounted to $58,795.27, a sum of $6,244.74 in excess of the collection of the previous year.

BONDED DEBT.

The bonded debt of the City of New Bedford at this date December 1, 1901, may be stated as follows:

Gross debt			$3,700,000
Bonds authorized beyond the debt limit:			
Water bonds	$1,628,000		
Park bonds	100,000		
Wharf bonds	52,000		1,780,00
Debt, exclusive of Water, Park and Wharf loans			$1,920,000
Sinking funds, gross	$927,961		
Deduct			
Sinking funds, Water bonds	$180,390		
Sinking funds, Park bonds	10,086		
Sinking funds, Wharf bonds	5,409	195,885	734,076
Net debt, less Sinking funds (municipal)			$1,185,924

Average valuation for 1899,1900 and 1901	$58,562,736
Two and one half per cent, of average valuation	$1,464,068
Net debt as above	1,185,924
Borrowing capacity December 1, 1901, close of financial year	$278,144

Bonds to mature the present year, 1902, are as follows:		
Water bonds, 7s	$10,000	
Water bonds, 5s	20,000	
Improvement bonds, 6s	10,000	
Improvement bonds, 4s	50,000	$90,000

ESTIMATED BORROWING CAPACITY FOR 1902.

Assessors' valuation for 1899	$56,107,418.00	
Abatements to December 1, 1901	470,400.00	$55,637,018.00
Assessors' valuation, 1900	$57,884,452.00	
Abatements to December 1, 1901	246,502.00	$57,837,950.00
Assessors' valuation, 1901	$62,896,040.00	
Abatements to December 1, 1901	482,800.00	$62,413,240.00
Total valuation for the three previous years		$175,688,208.00
Average valuation for the three previous years		$58,562,736.00
Two and one half per cent. of average valuation		$2,464,068.00
Net debt limit		$1,185,924.00

Borrowing capacity December 1, 1901, close of financial year		$278,144.00
Debt payable April 1 and October 1, 1902	$60,00.00	
Estimated increase in Sinking funds	73,127.00	133,127.00
Borrowing capacity for the year 1902		$411,271 00

RECEIPTS AND EXPENDITURES.

The receipts for the year, including the balance of cash in the treasury December 3, 1900, were as follows:

Balance December 3, 1900		$50,911.26
Receipts from taxes	$979,133.45	
Temporary loans	1,238,000.00	
Sundry departments	95,138.16	
Unappropriated funds	160,224.72	
Interest on Trust funds	6,786.00	
Commissioners of Sinking funds.		
Improvement bonds, maturing	73,000.00	
Received from Water rates for debt account	35,000.00	
Wharf rates, for debt account	2,080.00	
Water Registrar, water rates, etc.	115,130.54	
Dog licenses	2,912.08	$2,707,404.95
Total receipts, including balance December 2, 1900		$2,758,316.21
Expenditures		2,690,917.65
Balance, cash in the treasury, December 2, 1901		$67,398 56

I am of the opinion that the several departments of the city are in excellent working condition, that they are well equipped and managed, and that a disposition has been shown by those in control of appropriations to be economical in expenditures. I have no special recommendation to make concerning department matters other than to state that the present high standard should be maintained.

I wish to say a few words concerning the public schools.

Notwithstanding the erection and completion of three new, large school buildings and extensive additions and alterations securing further room and accommodation in several of the other buildings, we are still confronted with conditions which require immediate attention.

We are paying rent for school accommodations at the south end, and the schools in the centre of the city are so overcrowded now that no more pupils can be received.

The present school buildings are insufficient to accommodate the children who desire to attend, and who should be in school, and are inadequate in design and appointment to serve the modern requirements for education or to properly carry out the spirit of the law concerning the special training of pupils.

We need more school accommodations and most of all we should have a new High School building. We require a larger building, erected on modern lines, and planned to afford facilities for the instruction of our youth in accordance with such advanced and approved methods as are now in practice in nearly every city in the Commonwealth excepting New Bedford.

We owe the best that can be afforded in the way of educational facilities to the present and coming generations of public school pupils, and if in acquiring such facilities we are obliged to create "a debt for posterity to pay," I am sure that posterity will be well satisfied to pay for the benefits which it should now receive.

I strongly recommend that a site be secured and a new building be erected thereon for the New Bedford High School and I request that the matter receive your earliest consideration.

One more matter for your attention and I will have finished.

The City Council, without debate or comment, by a concurrent vote adopted March 14, 1901, agreed to submit to the people at the following election the question of petitioning the Legislature for the abolition of the Board of Public Works.

At the last election the people by a decisive majority registered their votes in favor of having such a petition presented. It is incumbent upon us to file such a petition, and appear before the committee of the General Court which may have such a matter in charge.

It is apparent that there is some dissatisfaction with the Board of Public Works, or with its methods or composition.

I have had occasion heretofore to criticise the composition of the Board of Public Works and the manner provided by law for the selection of its members.

I am opposed to boards and commissions on principle and have always objected to their creation. I firmly believe that the people can be trusted to select *directly* such officials as are necessary to the proper exercise of every executive and administrative function of the body politic.

But I am conscious that in a city the size of New Bedford, where large sums are expended annually on the streets and sewers and other closely related public enterprises, that the work done, and to be done, should be comprehensive in scope and systematic in execution. To obtain full value for such large expenditures requires a technical knowledge for execution, combined with a practical knowledge of necessities, conditions and localities.

There should be such a combination in the make-up of a Board of Public Works.

The chief criticism of the Board of Public Works is that it is too far removed, at least in theory, from the people. It is so with the other boards and commissions. The people are denied the full exercise of the right to select their own servants. And the Mayor and the administration are

held responsible for acts and conditions over which they have no control.

It seems to me that the remedy and relief from such abnormal conditions is a return to first principles. Have the people elect every official who has anything to do with the granting of money. Abolish the Common Council and enlarge the Board of Aldermen by the addition of at least two members to be elected by and from the voters in their respective wards.

Give to the new Board of Aldermen the rights now exercised by the Board of Public Works in ordering the layout and care of the streets, the construction of sewers, the taking of land for public uses and kindred matters.

Erect in place of the present Board of Public Works a board composed of the Mayor and the heads of the several departments and offices having charge of public works, wharves and buildings. Make it a consulting board, whose duty it shall be to plan for the best methods of forwarding the public work of the municipality.

Strengthen the chief executive; give him the appointment of every officer clothed with executive power and make him responsible for that branch of the government.

And if it be found necessary, in order to do this, let us have a new charter, and a revision of the city ordinances to comply with such a new charter.

I am of the opinion that we have outgrown our present charter beyond hope of reasonable addition or amendment, and that we now lag in the rear of the municipal administration race through lack of the advantages of a code of modern rules of action.

I would suggest that we should not seek a new charter until public opinion is well agreed as to the best plan for a scientific administration of our affairs. The experiments in government in Somerville and other places which are striving for the best system available should be observed by the citizens, and I commend the subject to your attention.

I may add that I might hesitate to urge conferring wider authority upon the Mayor, were it likely that I should again be a candidate for the office. Partially matured plans make it improbable that I shall be a candidate for the mayoralty next fall, and the considerations I present are in the interests of a better form of government and the welfare of the people.

1902 — CITY DOCUMENT No. 2.

CITY GOVERNMENT,

1902.

MAYOR

HON. CHARLES S. ASHLEY

ALDERMEN

Ward 1 — HENRY P. JENNEY
Ward 2 — LOUIS Z. NORMANDIN
Ward 3 — CHARLES H. BROWNELL
Ward 4 — WILLIAM E. SMITH
Ward 5 — GEORGE H. HEDGE
Ward 6 — ANDREW P. DOYLE

CITY CLERK

DANIEL B. LEONARD

ASSISTANT CITY CLERK

WILLIAM S. COOK

CITY TREASURER AND COLLECTOR OF TAXES

JAMES H. HATHAWAY

CITY AUDITOR

CHARLES J. McGURK

CITY MESSENGER

AUGUSTUS D. PIPER

COMMON COUNCIL.

PRESIDENT—SAMUEL HIGHAM.

Ward One

Stanislaus J. Desautel	Henry J. Gurl
Michael J. Glennon	Francis P. Washburn

Ward Two

Samuel Higham	Patrick H. Reardon
John E. Mordaunt	Lawrence T. Woolfenden

Ward Three

William L. Chadwick	Charles W. Jones
Charles S. Coombs	William B. Perry

Ward Four

Clifton W. Bartlett	Joseph L. Gibbs
Charles F. Cushing	———

Ward Five

Charles G. Akin	Charles B. Hillman, Jr.
Robert L. Baylies	Phillip C. Russell

Ward Six

Manuel A. Andrews	John Waldron
Robert Cooke	George Winterburn

Clerk—WALTER H. B. REMINGTON.

STANDING COMMITTEE OF THE BOARD OF MAYOR AND ALDERMEN.

Police — The Mayor and Aldermen Hedge and Smith

Licenses — Aldermen Hedge, Jenney and Doyle

Burial Grounds — Aldermen Hedge, Jenney and Smith

Enrollment — Aldermen Normandin, Brownell and Doyle

Soldiers' Aid — The Mayor and Aldermen Brownell and Smith

JOINT STANDING COMMITTEE OF THE CITY COUNCIL.

Finance — The Mayor and Alderman Smith, the President of the Common Council, and Councilmen Washburn, Jones, Gibbs, Baylies and Cooke

Audit — Aldermen Jenney and Brownell, and Councilmen Coombs, Reardon and Cooke

City Property — Aldermen Brownell and Jenney, and Councilmen Glennon, Waldron and Jones

Fuel — The Mayor and Alderman Doyle, and Councilmen Reardon, Perry and Cushing

Education — Aldermen Smith and Normandin, and Councilmen Akin, Russell and Mordaunt

Fire Department — Aldermen Hedge and Normandin, and Councilmen Mordaunt, Washburn and Cooke

Charities, Almshouse and the Poor — Aldermen Brownell and Smith, and Councilmen Bartlett, Glennon and Andrews.

Street Lights — Aldermen Jenney and Normandin, and Councilmen Woolfenden, Desautel and Winterburn.

Printing — Alderman Normandin, and Councilmen Woolfenden and Coombs

Buildings in the Fire District — Aldermen Smith and Hedge, and Councilmen Washburn, Perry and Hillman

Armories and Military Property—Aldermen Normandin and Hedge, and Councilmen Gibbs, Woolfenden and Winterburn

Water Works and Water Supply — Aldermen Jenney and Brownell, and Councilmen Baylies, Reardon and Desautel

Claims — Aldermen Smith and Hedge, and Councilmen, Bartlett, Gurl and Desautel

Ordinances — Aldermen Normandin and Doyle, and Councilmen Cushing, Akin and Chadwick

Wharves — Aldermen Smith and Doyle, and Councilmen Glennon, Reardon and Waldron

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STANDING COMMITTEES OF THE COMMON COUNCIL

Election Returns — Councilmen Coombs, Hillman and Waldron

Bills in Second Reading — Councilmen Akin, Mordaunt and Andrews.

Enrolled Ordinances — Councilmen Gurl, Chadwick and Russell

ASSESSORS

Office, Library Building, Room 6

THOMAS F. HEALEY, Chairman, 3 years
WILLIAM F. BANNON 2 years
HORACE WOOD, 1 year

ASSISTANT ASSESSORS

Ward 1 — JOHN H. FINNELL
Ward 2 — ARTHUR B. CHAPPELL
Ward 3 — HENRY C. RUSSELL
Ward 4 — ROLAND A. LEONARD
Ward 5 — WILLIAM J. ABRAMS
Ward 6 — GEORGE ENGLAND

BOARD OF HEALTH

Office, 52 Pleasant Street

WILLIAM G. KIRSCHBAUM, Term expires February
JOHN T. BULLARD, Term expires February, 1904
MANUEL V. SYLVIA, Term expires February, 1905
WILLIAM G. KIRSCHBAUM, Chairman

WILLIAM E. BROWNELL
City Physician and Quarantine Physician

Clerk
SUSIE J. SMALL

Health Inspector
WILLIAM E. MACOMBER

Inspector of Plumbing
LOUIS H. RICHARDSON

NEW BEDFORD WATER WORKS

NEW BEDFORD WATER BOARD

His Honor CHARLES S. ASHLEY, Mayor, ex-officio President
SAMUEL HIGHAM, President of Common Council, ex-officio
SAMUEL C. HUNT, Term expires June, 1902
ZEPHANIAH W. PEASE, Term expires June, 1903
ROBERT W. TABER, Term expires June, 1904

Clerk
ROBERT C. P. COGGESHALL

Water Registrar
JAMES H. HATHAWAY
Office, Room 2, Library Building

Superintendent
ROBERT C. P. COGGESHALL
Office, City Hall Building

Inspector
CLIFFORD BAYLIES
Office, Room 2, Library Building

COMMISSIONERS OF SINKING FUNDS

MORGAN ROTCH, Chairman,	Term expires March, 1904
BENJAMIN F. BROWNELL,	Term expires March, 1903
WILLIAM A. MACKIE,	Term expires March, 1905

JAMES H. HATHAWAY, Secretary and Treasurer

OVERSEERS OF THE POOR

CHARLES S. PAISLER, Chairman

A. H. W. CARPENTER,	Term expires May 1, 1904
WILLIAM H. RANKIN,	Term expires May 1, 1903
CHARLES S. PAISLER,	Term expires May 1, 1905

Secretary
A. H. W. CARPENTER

Messenger
AUGUSTUS A. WOOD

Clerk
ELLA F. BUCKLIN

Superintendent Almshouse and Farm
FREEMAN H. ASHLEY

Physicians
ALPHONSE NORMANDIN AND JOSEPH A. FRASIER.

FREE PUBLIC LIBRARY

TRUSTEES

(*Ex-officio. Terms expire January, 1902*)

CHARLES S. ASHLEY	Mayor of the City
SAMUEL HIGHAM,	President of the Common Council
WILLIAM E. SMITH,	Alderman and Chairman of the Committee of the City Council on Education

(*Elected by the Council*)

ISAAC B. TOMPKINS, JR.,	Term expires April, 1903
MATTHEW C. JULIEN,	Term expires April, 1903
LEMUEL LEB. HOLMES,	Term expires April, 1904
FRANCIS M. KENNEDY,	Term expires April, 1904
WALTER S. ALLEN,	Term expires April, 1905
WILLIAM L. SAYER,	Term expires April, 1905

President of the Board

THE MAYOR

Clerk

WILLIAM L. SAYER

Committees

On the Library — Messrs. JULIEN and HOLMES
On Finance — Messrs. ALLEN and TOMPKINS
On the Building — Messrs. TOMPKINS and SAYER

Librarian

GEORGE H. TRIPP.

Assistants

JOSEPHINE A. MERRICK	SUSIE H. GAMMONS
ETTA F. LAWRENCE	FLORENCE E. PIERCE
ANNA H. DEWOLF	CLEMENT YAEGER

Janitor

YORICK W. AMES

BOARD OF PUBLIC WORKS

Office, Odd Fellows Building

His Honor, CHARLES S. ASHLEY, Mayor, *ex officio* Chairman
SAMUEL HIGHAM, President of the Common Council *ex officio*

JOHN ELDRIDGE, JR.,	Term expires May 1, 1905
MORGAN ROTCH,	Term expires May 1, 1903
F. WILLIAM OESTING,	Term expires May 1, 1904

Clerk
WILLIAM S. COOK

Superintendent
CHARLES F. LAWTON

(Board abolished by Chap. 460, Acts of 1902, to take effect July 11, 1902).

BOARD OF PARK COMMISSIONERS

Office, Merchants Bank Building

JAMES E. MOORE,	Term expires June, 1903
SAMUEL P. RICHMOND,	Term expires June, 1904
OBED C. NYE,	Term expires June, 1905
CHARLES T. SMITH,	Term expires June, 1906
ERNEST A. WHEATON,	Term expires June, 1907

Superintendent of Bridge and Draw Tender
WILLIAM DOWNEY

City Solicitor
BENJAMIN B. BARNEY

CEMETERY BOARD.

WILLIAM M. HIGHAM,	Term expires May 1, 1903
JOHN G. NICHOLSON,	Term expires May 1, 1904
CHARLES H. VINAL,	Term expires May 1, 1905

Chairman—JOHN G. NICHOLSON
Secretary—CHARLES H. VINAL

Superintendent
CHARLES F. CORNELL

Sealer of Weights and Measures
JOHN N. O'BRIEN

Superintendent of Public Buildings and Buildings in the Fire District
EDMUND O'KEEFE

Inspector of Buildings
EDMUND O'KEEFE

Superintendent of City Clock
WILLIAM B. WOOD

City Bell Ringer
CORNELIUS A. WEBB

City Engineer
WILLIAM F. WILLIAMS

Harbor Master
CHARLES H. CRAGEN

Inspector of Petroleum and Vinegar
FRANK R. DELANO
Office, No. 17 Middle Street

Inspector of Milk, Animals and Provisions
DANIEL C. ASHLEY
Office, 137 Pleasant Street

Supervisor of Wires
DANIEL D. BRIGGS

REGISTRARS OF VOTERS.

CHARLES T. LUCE,	Term expires May, 1903
EMANUEL SULLAVOU,	Term expires May, 1904
WILLARD N. LANE,	Term expires May, 1905

CHARLES T. LUCE, Chairman.
DANIEL B. LEONARD, Clerk.

Office, Basement City Hall Building.

PRECINCT OFFICERS.

(*Term of office expires Nov. 1, 1902.*)

WARD ONE, PRECINCT ONE.

Warden,	Daniel J. Sullivan, D.
Clerk,	George B. Borden, R.
Inspector,	Edward P. Canney, D.
"	Edward C. Taber, R.
"	Michael E. Daley, D.
"	Charles T. Brownell, R.

Deputies.

Warden,	John K. Smith, D.
Clerk,	William F. Chase, R.
Inspector,	Ernest A. Dunham, D.
"	Nathaniel H. Jenney, R.
"	William O'Neil, D.
"	Edward Hughes, R.

WARD ONE, PRECINCT TWO.

Warden,	Michael F. Harlow, R.
Clerk,	Peter F. Sullivan, D.
Inspector,	William W. Pease, R.
"	John E. Murphy, D.
"	Henry H. Hacking, R.
"	Daniel J. Connolly, D.

Deputies.

Warden,	Joseph Magnant, R.
Clerk,	John H. Finnell, D.
Inspector,	Allen Russell, Jr., R.
"	Patrick H. Murphy, D.
"	George W. Taylor, R.
"	, D.

WARD TWO, PRECINCT THREE.

Warden,	George P. Macomber, R.
Clerk,	Lawrence H. Barney, D.
Inspector,	Charles T. Burgess, R.
"	Benj. F. Hathaway, Jr., D.
"	Charles L. Faunce, R.
"	Asa L. H. Allen, D.

Deputies.

Warden,	Edward H. Carter, R.
Clerk,	Michael McDonnell, D.
Inspector,	Edward B. Swift, R.
"	Joseph C. Desmond, D.
"	George E. Saxon, R.
"	Dennis H. Toomey, D.

WARD TWO, PRECINCT FOUR.

Warden,	George K. Dammon, R.
Clerk,	John N. O'Brien, D.
Inspector,	Philip R. King, R.
"	John H. Ryan, Jr., D.
"	Bartholomew P. Fury, R.
"	Joseph P. H. Clarke, D.

Deputies.

Warden,	Samuel E. Gabriel, R.
Clerk,	Thomas J. Murphy, D.
Inspector,	James H. Bamford, R.
"	Peter J. Riley, D.
"	James C. McNutt, R.
"	William J. Glasgow, Jr., D.

WARD THREE, PRECINCT FIVE.

Warden,	Joshua B. Ashley, Jr., D.
Clerk,	Charles R. Hathaway, R.
Inspector,	Henry F. Hammond, D.
"	Walter A. Jenney, R.
"	Obed S. Cowing, D.
"	Augustus G. Moulton, R.

Deputies.

Warden,	Joshua G. Lapham, D.
Clerk,	Abner P. Pope, R.
Inspector,	Samuel J. Lowe, D.
"	Prince S. Borden, R.
"	John O'Neil, D.
"	R.

WARD THREE, PRECINCT SIX.

Warden,	Michael A. Baker, D.
Clerk,	B. Franklin Wordell, R.
Inspector,	Timothy Crowley, D.
"	Joseph C. Forbes, R.
"	William W. Atwood, D.
"	Arthur A. Dexter, R.

Deputies.

Warden,	William E. Cooper, D.
Clerk,	Herbert H. Davis, R.
Inspector,	Henry Smith, D.
"	Samuel H. Perry, R.
"	D.
"	William York, R.

WARD FOUR, PRECINCT SEVEN.

Warden,	William F. Caswell, R.
Clerk,	Walter R. Myrick, D.

Inspector,	Augustus D. Piper, R.
"	Charles F. Dean, D.
"	Arthur C. Spooner, R.
"	George R. Young, D.

Deputies.

Warden,	James B. Russell, R.
Clerk,	James A. Young, D.
Inspector,	Charles F. Grow, R.
"	William C. Diamond, D.
"	Charles L. Ricketson, R.
"	Edwin P. Sowle, D.

WARD FOUR, PRECINCT EIGHT.

Warden,	Henry A. Gray, D.
Clerk,	William B. Topham, R.
Inspector,	John W. Carter, D.
"	Frederick D. Barrows, R.
"	Timothy S. Downey, D.
"	William E. Carroll, R.

Deputies.

Warden,	George T. Macomber, D.
Clerk,	Seth W. Godfrey, R.
Inspector,	Thomas L. Parsons, D.
"	Martin A. Wood, R.
"	Felix J. Kane, D.
"	William A. Carroll, R.

WARD FIVE, PRECINCT NINE.

Warden,	John C. Emery, R.
Clerk,	Charles F. F. Jones, D.
Inspector,	Antone H. Senna, R.
"	Charles D. Russell, D.
"	Charles A. Bennett, R.
"	George P. Richardson, D.

Deputies.

Warden,	George F. Curry, R.
Clerk,	Michael Clark, D.
Inspector,	Harry C. Vaughan, R.
"	Rodolphus A. Swan, D.
"	Edward P. Dugan, R.
"	John H. Lynch, D.

WARD FIVE, PRECINCT TEN.

Warden,	Charles F. Briggs, D.
Clerk,	Walter C. Gibbs, R.
Inspector,	Michael T. Francis, D.
"	David M. Piper, R.
"	James J. Donaghy, D.
"	Charles A. S. Sherman, R.

Deputies.

Warden,	Edwin L. Tillinghast, D.
Clerk,	Merton L. Hathaway, R.
Inspector,	James H. Miskell, D.
"	James H. Magnett, R.
"	D.
"	Leander G. Markman, R.

WARD SIX, PRECINCT ELEVEN.

Warden,	John J. Meaney, D.
Clerk,	Leander A. Williston, R.
Inspector,	John F. Carney, D.
"	Frank T. Cooke, R.
"	William N. Nelson, D.
"	Anderson H. Swift, R.

Deputies.

Warden,	John W. Spencer, D.
Clerk,	David Bromley, R.

Inspector,	Frank M. Jennings, D.
"	George S. Mottram, R.
"	Michael Stapleton, D.
"	Walter W. Snailham, R.

WARD SIX, PRECINCT TWELVE.

Warden,	Marshall S. Greene, R.
Clerk,	Norman Barstow, D.
Inspector,	William W. Bonney, R.
"	George L. Jennings, D.
"	Daniel E. Nelson, R.
"	William C. Demello, D.

Deputies.

Warden,	Charles E. Allen, R.
Clerk,	D.
Inspector,	R.
"	Patrick J. McDonald, D.
"	Francis Thorley, R.
"	Henry M. Whelan, D.

WARD LINES.

CITY OF NEW BEDFORD,
IN BOARD OF ALDERMEN,
April 25, 1895.

Ordered, That in conformity with section 96 of chapter 417 of the Acts of the Legislature of the Commonwealth, in the year 1893, the several wards of the city, until the first day of May, 1895, and until otherwise ordered, be and they are hereby divided and established according to the following described lines, to take effect January 1, 1896:

Ward One. All that portion of the city lying north of a line beginning at the river, and drawn through the centre of Linden street to Ashland street, thence through the centre of Ashland street to Durfee street, and thence through the centre of Durfee street to the west line of the city, will constitute Ward One.

Ward Two. All that portion of the city lying between a line drawn from the river through the centre of Linden street to Ashland street, thence through the centre of Ashland street to Durfee street, thence through the centre of Durfee street to the west line of the city, and a line drawn from the river through the centre of Campbell street to County street, thence through the centre of County street to Sycamore street, thence through the centre of Sycamore street to Cedar street, thence through the centre of Cedar street to Smith street, and thence through the centre of Smith street to the west line of the city, will constitute Ward Two.

Ward Three. All that portion of the city lying between a line drawn from the river through the centre of Campbell street to County street, thence through the centre of County street to Sycamore street, thence through the centre of Sycamore street to Cedar street, thence through the centre of Cedar street to Smith street, thence through the centre of Smith street to the west line of the city, and a line drawn from the river through the centre of High street to County street, thence through the centre of County street to Kempton street, thence through the centre of Kempton street to the west line of the city, will constitute Ward Three.

Ward Four. All that portion of the city lying between a line drawn from the river through the centre of High street to County street, thence through the centre of County street to Kempton

street, thence through the centre of Kempton street to the west line of the city, and a line drawn from the river through the centre of School street to County street, thence through the centre of County street to Arnold street, and thence through the centre of Arnold street to the west line of the city, including Fish and Pope's Islands, will constitute Ward Four.

Ward Five. All that portion of the city lying between a line drawn from the river through the centre of School street to County street, thence through the centre of County street to Arnold street, thence through the centre of Arnold street to the west line of the city, and a line drawn from the river through the centre of Grinnell street to Fourth street, thence through the centre of Fourth street to Washington street, thence through the centre of Washington street to Dartmouth street, thence through the centre of Dartmouth street to Grape street, thence through the centre of Oak and Grape streets to Rockdale avenue, thence through the centre of Rockdale avenue to Allen street, and thence through the centre of Allen street to the west line of the city, will constitute Ward Five.

Ward Six. All that portion of the city lying south of a line drawn from the river through the centre of Grinnell street to Fourth street, thence through the centre of Fourth street to Washington street, thence through the centre of Washington street to Dartmouth street, thence through the centre of Dartmouth street to Oak street, thence through the centre of Oak and Grape streets to Rockdale avenue, thence through the centre of Rockdale avenue to Allen street, and thence through the centre of Allen street to the west line of the city, including Palmer's Island, will constitute Ward Six.

Adopted in concurrence.
Approved by the Mayor, April 27, 1895.

VOTING PRECINCTS

As designated and established by the Mayor and Aldermen, under the provisions of chapter 417 of the Acts of the Legislature of 1893, and the provisions of chapter 11 of the Revised Laws of the Commonwealth, to take effect Jan. 1, 1902.

Ordered, That the several wards of the city be, and they are hereby divided into voting precincts for the holding of all meetings for the choice of all officers who are elective by the people, and that the dividing lines of said precincts be as hereinafter defined.

IN WARD ONE.

All that portion of said ward lying north and east of a line drawn from a point in the channel of the Acushnet river formed by the extension of a line through the centre of Sawyer street, thence westerly in said extended line, and in the centre of Sawyer street to the easterly line of the New York, New Haven & Hartford railroad; then northerly in the easterly line of said railroad to the northerly boundary line of the city, shall be known as Precinct "A."

All that portion of said ward lying east and south of a line beginning at a point in the centre of Sawyer street, at the east line of the New York, New Haven & Hartford railroad, thence westerly in the centre of Sawyer street to its intersection with a line formed by the extension of a line through the centre of Purchase street; thence southerly in the centre of Purchase street to the centre of Weld street; thence westerly in the centre of Weld street to the centre of State street; thence southerly in the centre of State street to the centre of Linden street, shall be known as Precinct One.

All that portion of said ward lying west and north of a line beginning at a point in the centre of Linden street at its intersection with a line formed by the extension of a line through the centre of State street; thence northerly through the centre of State street to the centre of Weld street; thence easterly in the centre of Weld street to the centre of Purchase street; thence northerly in the centre of Purchase street to the centre of Sawyer street; and thence easterly in the centre of Sawyer street to the easterly line of the New York, New Haven & Hartford railroad; thence northerly in the easterly line of the New York, New Haven & Hartford railroad to the northerly boundary line of the city, shall be known as Precinct Two.

IN WARD TWO.

Said line shall begin at a point formed by the extension of a line through the centre of County street at its intersection with Linden street, thence south through the centre of County street to the centre of Locust street, thence through the centre of Locust street to the centre of Chestnut street, thence south through the centre of Chestnut street to a point in said Chestnut street at its intersection with a line formed by the extension of a line through the centre of Sycamore street. The precincts in said ward being further defined as follows: All that part of said ward lying east of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Three; all that part of said ward lying west of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Four.

IN WARD THREE.

Said line shall begin at a point in the centre of County street intersecting with a line formed by the extension of a line through the centre of Sycamore street, thence south through the centre of County street to its intersection with a line formed by the extension of a line through the centre of High street. And is further defined as follows: All that portion of said ward lying east of said division line as drawn through the centre of County street shall be and is hereby made a voting precinct to be known as Precinct Number Five; all that portion west of said division line as drawn through the centre of County street shall be and is hereby made a voting precinct to be known as Precinct Number Six.

IN WARD FOUR.

Said line shall begin at a point in the centre of Kempton street at its intersection with a line formed by the extension of a line through the centre of Summer street, thence south through the centre of Summer street to its intersection with a line formed by the extension of a line through the centre of Elm street, thence west through the centre of Elm street to the centre of Cottage street, thence south in the centre of Cottage street to a point at its intersection with a line formed by the extension of a line through the centre of Arnold street. And is further defined as follows: All that portion of said ward lying east of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Seven; all that portion lying west of said division line is hereby made a voting precinct to be known as Precinct Number Eight.

IN WARD FIVE.

Said line shall begin at a point in the centre of County street and in the centre of School street, thence south in the centre of County street to the centre of Russell street, thence east in the centre of Russell street to the centre of South Sixth street, thence south in the centre of South Sixth street to its intersection with the centre of County street, thence in the centre of County street to its intersection with a line drawn through the centre of Washington street. The precincts in said ward being further defined as follows: All that portion of said ward lying east of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Nine; and all that part of said ward lying west of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Ten.

IN WARD SIX.

Said line shall begin at a point in the centre of Fourth street at its intersection with the centre of Grinnell street, thence south in the centre of Fourth street to the centre of Rivet street, thence westerly in the centre of Rivet street to the centre of County street, thence southerly in the centre of County street to Clark's Cove, so called. The precincts in said ward being further defined as follows: All that portion of said ward lying east of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Eleven; all that portion of said ward lying west of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Twelve..

Adopted.

FIRE DEPARTMENT.

CHIEF ENGINEER

FREDERICK MACY, Term expires January, 1903
Office, City Hall Building.

ASSISTANT ENGINEERS

First—EDWARD F. DAHILL, Term expires April, 1903
Second—JAMES J. DONAGHY, Term expires April, 1906
Third—WILLIAM E. WATSON, JR., Term expires April, 1905
Fourth—ROBERT WOOLFENDEN, JR., Term expires April, 1904

CLERK OF BOARD OF ENGINEERS

FRED B. MACY

MEMBERS OF THE NEW BEDFORD PROTECTING SOCIETY

(*Special Police Officers, to serve at fires*)

Akin, Thomas B.
Allen, George H. H.
Allen, Gideon
Bamford, James H.
Bamford, William
Bennett, George W.
Bentley, Lewis E.
Blossom, Simpson J.
Bly, O. Frank
Bourne, Standish
Coe, Isaac H., Jr.
Coggeshall, R. C. P.
Denison, Henry C.
Dias, Joseph
Dunham, Ernest A.
Dunham, Fred C.
Eldridge, John, Jr.
Francis, James P.
Gardner, Edward R.
Gifford, Charles H.
Gifford, Frank H.
Gifford, Thomas J.
Hadley, A. W.
Hadley, Fred V.
Hammond, Edgar B.
Hammond, Henry F.
Haskell, Charles M.
Holden, Charles H.
Howland, John J.
Humphrey, J. L., Jr.,
Hutchinson, Henry S.
Kelley, Charles S.
Kingman, G. D.
Knowles, Thomas H.
Lawton, Charles H.
Lewis, Edgar R.
Lewis, William J.
Lowe, John H.
Macy, Frederick B.
Macy, George I.
Macy, J. Roland
Manchester, Phil'd'r F.
Maxfield, Edmund F.
Nye, Willard, Jr.
Parker, David L.
Paine, Charles L.
Peirce, Stephen D.
Penney, Edward F.
Phillips, George A.
Pierce, Edward T.
Pierce, Otis N.
Pitman, William H.
Potter, William F.
Read, William F.
Robbins, Arthur E.
Robinson, William A.
Rotch, Morgan
Richardson, Louis H.
Sanford, Gardner T.
Smith, Alexander T.
Snow, Robert
Sullivan, Daniel J.
Taber, Frederick
Taylor, William T.
Thilo, F. E.
Thornton, Alfred
Vincent, Mark T.
Washburn, Frederic A.
West, William R.
Wilbor, Alfred G.
Wilde, Edmond L.
Wood, Edmund
Wood, Horace
Wood, Thomas F.

POLICE DEPARTMENT.

CHIEF

HENRY W. MASON.

CAPTAINS

TIMOTHY C. ALLEN,
JAMES L. WILBER.

LIEUTENANTS

LEMUEL D. ADAMS,
SETH E. BRYANT,
THOMAS W. COMSTOCK,
THOMAS FAY,
ARTHUR H. JONES.
CHARLES L. McBAY,
JOHN C. PARKER,
THOMAS J. TAFT,
JOSEPH B. WING.

INSPECTORS

HATHAWAY, FRANKLIN L.
GENDRON, GEORGE E.

SERGEANTS

FOLEY, EDMUND
GIFFORD, CHARLES C.
ROSCOE, WILLIAM E.
UNDERWOOD, WILLIS C.

CLERK

HENRY N. WEST.

COURT OFFICER

LIEUT. LEMUEL D. ADAMS.

EMERGENCY OFFICER, STATION ONE

PATRICK KENNEDY.

HEALTH OFFICER

WILLIAM E. MACOMBER.

MATRON

MRS. SARAH M. BROWNELL.

PATROLMEN

Aldrich, Oscar F.
Allen, Charles E.
Allen, Edgar W.
Allen, Edward
Allen, Robert N.
Almond, Walter
Almond, William, Jr.
Atwood, William W.
Benoit, William R.
Callanan, Thomas F.
Cannavan, Patrick
Church, Charles B.
Clough, George H.
Clark, Ulysses L.
Cole, William T.
Cowing, William J.
Cox, James M.
Dahoney, Thomas
Daley, Jeremiah E.
Demers, Frank E.
Deneen, Daniel
Dodds, James
Doherty, Edward P.
Durant, Lawrence J.
Earley, Edward C.
Eldridge, Washington A.
Fowler, William
Gibbs, Nathaniel F.
Haffords, Stephen, Jr.
Harrington, Daniel
Holloway, Arod B.
Howland, William A. E.
Humphrey, Daniel J.
Hutchinson, John J.
Ivey, James A.
Karcher, Frederick
Kenney, Patrick
Lawrence George H.
Lee, Allen L.
Loftus, Anthony
Lowther, George H.
McCarthy, Edward
McCarthy, Jeremiah
McDonald, Daniel J.
McDonnell, James
McDonnell, Patrick
McEnnis, Robert B.
McLeod, Samuel D.
Meehan, Daniel
Mosher, Albert E.
Murphy, Cornelius J.
Nickerson, Charles F.
Nye, Frederick L.
Oliver, John F.
Pinkham, George W.
Raymond, Hiram E.
Remington, Frank L.
Ricketson, Harrison D.
Rooks, Albert H.
Rooks, John C.
Russell, Eugene F.
Savage, James W.
Sharples, Smith
Smith, Andrew J.
Smith, Charles F.
Spooner, John C.
Stow, Harry D.
Sullivan, James H.
Sullivan, Timothy
Sweeney, Daniel B.
Sylvia, Frank W.
Taber, Jeremiah M.
Tripp, Chester L.
Vogel, Robert F.
Welsh, William
Willis, Rufus H.
Winslow, George F.
Wixon, James A.

HARBOR POLICE

JOSEPH De L. SISSON.

RESERVE POLICE

Ashley, Henry T.
Brault, Narcisse A.
Brightman, Ellery E.
Caswell, Charles A.
Cushing, William S.
Daley, Charles F.
Downey, Daniel
Dupries, Wilfred H.
Gay, Harry M.
Hayden, Abram L.
Henderson, Joseph C.
Horton, Eliphalet M.
Hynes, Edward A.
Lamott, Benjamin
Mack, Thomas E.
Murdy, Robert H.
Place, Joseph A.
Ratcliffe, Robert B.
Sullivan, Matthew
Wilcox, Seth A.
Williams, Benjamin F., Jr.

WAGONMEN

John M. Jones,
George W. Paige.

DRIVERS

Edward F. Jennings,
William M. Ryan.

HOUSEKEEPERS

Arnett, Henry
Arnett, James W.
Dayton, Luther M.
Mitchel, William H.
Stephens, Henry
Vogel, George
Wilson, Thomas H.

SPECIAL HOUSEKEEPERS

Jones, Isaac M.
Manchester, John B.
Robbins, Charles H.

JANITOR

Moses C. Drew.

CONSTABLES

The Members of the Police Force
and
Dean, John H.
Frissell, Amasa R.
La Roche, Louis
McDonnell, Michael
Moore, Lewis S.
Patnaude, Joseph C.
Perry, Samuel C.
Spooner, Arthur C.

KEEPER OF THE LOCKUP

James L. Wilber.

PROBATION OFFICER

Edward Williams.

SPECIAL POLICE OFFICERS

Baker, Daniel W.
Bartel, Leopold
Bentley, Frank T.
Berry, James H.
Bliss, Frederick P.
Bliss, William H.
Booth, Benjamin T.
Borden, Prince S.
Broadbent, Samuel S.
Brown, William L. G.
Buckley, Alfred R.
Burgess, Stephen
Burke, Michael I.
Burke, William
Butts, Henry R., Jr.
Callahan, John
Chipman, James F.
Clark, William
Clarkson, Nicholas J.
Clynes, Thomas
Collins, John
Conklin, Abraham
Connelly, Daniel J.
Corish, John
Corley, Maurice C.
Cornell, Charles F.
Cornell, Sydney I.
Crafts, James
Crafts, James F.
Cronin, Cornelius
Dammon, George K.
Davenport, Charles H.
Davis, Otis A.
Dean, Thomas F.
Deverik, John H. (vet.)
Devoll, George H.
Donaghy, Joseph
Driscoll, Patrick J.
Duckworth, Wm. A.
Duffy, Thomas
Durfey, Richard T.
Eldridge, Samuel T.
England, George
Etchell, Edward
Fay, Miles H.
Ferguson, Joseph
Ferguson, William
Finn, Michael
Fitzgerald, James
Fournier, Napoleon J.
Francis, Frank W.
Frissell, Amasa R.
Fuller, Jonathan A.
Garant, Joseph
Garvin, Patrick F.
Geddis, Henry S.
Gibbs, Preston H.
Gibbs, William H. H.
Gifford, John
Glennon, Thomas F.
Grant, Lafayette
Greene, Marshall S.
Harrington, Cornelius
Harrington J., Clark street.
Holloway, James T.
Holmes, Ezra
Holmes, John J.
Houle, Dolor A.
Howard, Henry
Howland, William G.
Hurll, Daniel
Johnson, Oscar
Johnson, W. H., Smith street.
Jones, Isaac M.
Joseph, John
Karcher, Fred'k, Sr.
Kelley, Hiram C.
Kennedy, Augustus M.
Kennedy, Thomas
Kent, James D. T.
King, Joseph T.
Lapham, George W.
Lawrence, Cyrus T.
Leary, Dennis, Jr.
Lincoln, Ellery C.
Little, Frank
Little, John E.
Lumbert, John
Luther, Joseph P.
Manchester, John B.
Mathers, Joseph (vet.)
McDermott, Michael
Macomber, H. M.
Miller, George
Morgan, Elias T.
Morrison, Thomas
Netcher, George F.
Nicholson, John B.
Nye, George E.
Oliver, John
Palmer, Robert
Parker, Charles W.
Partington, William
Peckham, Samuel W.
Peirce, Anthony, Jr.
Perry, Samuel C.
Phillips, Henry T.
Pierce, Thomas H.
Pinelle, Joseph
Piper, Augustus D.
Place, William J.
Pollock, John H.
Preece, Thomas
Quinn, Joseph
Rau, Gustavus L.
Read, George P.
Read, Richard A.
Remington, John G.
Reynolds, James R.
Richie, David
Robbins, Charles H.
Russell, James B.
Sadler, William G.
Salmon, John
Saxon, James H.
Shea, Michael J.
Small, David S.
Smith, Henry
Smith, Henry H.
Spicer, Robert H.

Staples, Ellis
Stephens, Michael
Tallman, Edward S.
Taylor, Theodore
Taylor, William A.
Taylor, William J.
Thomas, Edward, Jr.
Thompson, Thomas
Tinkham, Otis
Tripp, Benjamin E.
Tripp, Leroy G.
Tuell, Charles D.
Ward, David G. F.
Warfield, James H.
Waters, Charles O.
Watts, William H. C.
Weeden, Charles H. L.
Wilbur, Allen R.
Wilcox, Seth A.
Wilcox, Wm. H. (vet.)
Wiley, James
Williston, Hiram L.
Wilson, John
Wood, Charles N.
Wood, James A.

MEASURERS OF WOOD AND BARK.

Ashley, Roland R.
Ashley, Andrew J.
Austin, Arthur W.
Borden, Harrison T.
Butts, Frank A., Jr.
Chace, Ira M.
Cobb, George A.
Comey, Charles M.
Coxen, Charles H.
Davis, James
Dunham, Zacheus C.
Forbes, Joseph C.
Grinnell, A. B., Jr.
Hanna, J. T. Jr.
Morse, C. M., Jr.
Notter, John
Robert, Robert
Rodman, Frank P.
Smith, John
Taber, Edward C.
Wilson, Wallace B.

SURVEYORS OF LUMBER.

Beetle, John H.
Chase, Abram
Desmond, William F.
Doane, Joshua G.
Gray, Charles A., Jr.
Jennings, Ralph A.

MEASURERS OF GRAIN.

Chace, Ira M.
Jennings, Ralph A.
Rodman, Frank P.

WEIGHERS OF COAL.

Agard, Charles W.
Bowman, Fred G.
Butts, Frank A., Jr.
Chace, Ira M.
Coe, William A.
Comey, Charles M.
Corson, James A.
Cuddy, Edward C.
Day, Thomas E.
Dunham, Zacheus C.
Forbes, Joseph C.
Gifford, Nathaniel W.
Gray, Charles A., Jr.
Hathaway, B. F., Jr.
Hunt, Josiah
Jennings, Ralph A.
Lindsey, Robert
Lyng, William H.
Negus, Southward P.
Percy, T. A.
Raymond, William D.
Rodman, Frank P.
Rounsevell, Walter S.
Smith, John
Spencer, Walter G.
Terry, Herbert C.
Timperley, Sadie L.
Tripp, Jabez D.
Wilson, Wallace B.
Wordell, Wilson I.

CITY WEIGHERS.

Almy, Harry
Allen, Vital
Andrews, William
Ashley, Moses E. H.
Ashley, Roland R.
Babin, Aurel
Bariteau, Joseph L.
Bartlett, Robert W.
Bearce, Albert C.
Boudreau, Hector
Boucher, Edouard
Bouvier, Joseph A.
Bowman, Fred G.
Bradford, Edgar V.
Brownell, Charles H.
Budgen, Alfred
Burding, Joseph
Butts, Frank A., Jr.
Byrne, James
Canavan, Michael
Chace, Ira M.
Clitheroe, John
Cobb, George A.
Coe, William A.
Collins, John
Comey, Charles M.
Comey, Morris L.
Comisky, John
Cook, Edward H.
Cook, Otis P.
Cooper, Albert
Cornell, Lester S.
Curtis, Daniel J.
Cushing, Joseph B.
Davis, Edwin F.
Davis, George B.
Day, Thomas E.
Deneault, Eugene
Donahue, Joseph F.
Downey, Abraham
Dunham, Zacheus C.
Edwards, Charles F.
Foley, Timothy
Forbes, Joseph C.
Franklin, Edwin
Frates, Joseph
Gallagher, Patrick
Gero, David
Gifford, John I.
Gifford, Nathaniel W.
Gile, John F.
Gilenos, Hector
Gilmore, Thomas
Gilston, John W.
Girvan, Douglass
Goslin, Henry
Gray, Charles A.
Haggerty, Michael
Harney, John
Harvey, John J.
Hathaway, B. F., Jr.
Hayden, Edward D.
Head, Frank
Hess, Christian
Higginbottom, Eli
Hitch, Frank B.
Holloran, Patrick
Jenney, William T.
Jennings, Charles E.
Jennings, George L.
Jennings, John W.
Jennings, Ralph A.
Jessie, Manuel
Johnson, Herbert
Jordan, Frank C.
Judson, Edwin T.
Kelley, Samuel C. H.
Kinney, E. D.
King, William
Langshaw, John P.
Lees, Fred
Lees, Lewis
Lees, William
Lewis, Edgar R.
Lewis, William J.
Leyere, Joseph
Linsey, Robert
Lynch, Simon F.
Lyng, William H.
Lyons, John
McCarthy, Mortimer
McNicholas, James
Neagus, John P.
Negus, Southward P.
Nooning, Isabell F.
O'Connor, Cornelius
Parker, Reuben
Paul, George H.
Percy, T. A.
Perry, John
Phaneuf, Jeremiah
Pierce, William
Potter, Edwin L.
Raymond, William D.
Richardson, Harry F.
Robbins, Harry
Robinson, Frank J.
Rodman, Frank P.
Rose, Frank
Rounsevell, Walter S.
Smith, Thomas D.
Spencer, John W.
Spencer, Walter G.
Sullivan, Jeremiah T.
Sullivan, Mark E.
Sullivan, Michael J.
Sullivan, Peter F.
Sullivan, Thomas F.
Sullivan, William H.
Sylvia, Antone
Taber, Edward C.
Terry, Herbert C.
Tripp, Desmond W.
Tomlinson, Peter
Tripp, Elliott S.
Tripp, Jabez D.
Tripp, John E.
Tripp, Joseph J.
Tripp, Myron E.
Wall, Richard
West, George W.
West, John T., Jr.

White, Peter
Whittaker, Frank
Wilde, Albert T.
Wilkinson, Newton
Wilson, Wallace B.
Wood, John
Wordell, Wilson I.
York, Joseph

CITY WEIGHERS OF BOILERS AND HEAVY MACHINERY.

Bowman, Fred G.
Burns, Milton
Butts, Frank A., Jr.
Cook, Charles E., 2d
Corson, James A.
Gray, Charles A., Jr.
Hathaway, B. F., Jr.
Jennings, Ralph A.
Smith, John
Soule, Rufus A., Jr.
Spencer, Walter G.
Wilson, Wallace B.

FENCE VIEWERS.

Cobb, George A.
Russell, John A.
Young, James A.
Tuell, Joseph B. C.

POUND KEEPERS.

Arnett, James W.
Cook, George H.
Dayton, Luther M.
Dufresne, Adolph
Humphrey, Daniel J.
Manchester, John B.
Wilson, Thomas H.

FIELD DRIVERS.

The Police
Wm. H. Johnson (Smith st.)
John B. Manchester

BOARD OF LICENSE COMMISSIONERS.

STEPHEN D. PIERCE, Term expires June, 1904
JOHN O'NEIL, Term expires June, 1906
FRANK M. SPARROW, Term expires June, 1908

FRANK M. SPARROW, Chairman.

1902 — CITY DOCUMENT No. 3.

THIRTY-SECOND ANNUAL REPORT

OF THE

NEW BEDFORD WATER BOARD

TO THE

CITY COUNCIL

CONTAINING :

I.

The Report of the New Bedford Water Board for 1901, including the Report upon the Further Water Supply.

II.

The Report of the Water Registrar.

III.

The Report of the Superintendent.

DECEMBER 31, 1901.

NEW BEDFORD :
THE A. E. COFFIN PRESS, CITY PRINTERS,
1902.

NEW BEDFORD WATER BOARD.

1902.

CHARLES S. ASHLEY,
Mayor of the City.

SAMUEL HIGHAM,
President of the Common Council.

SAMUEL C. HUNT,
ZEPHANIAH W. PEASE,
ROBERT W. TABER.

CLERK OF THE BOARD, AND SUPERINTENDENT,
ROBERT C. P. COGGESHALL.

WATER REGISTRAR,
JAMES H. HATHAWAY.

FOREMAN,
JOHN C. DEMELLO, JR.

PUMPING STATION,
ADONIRAM S. NEGUS, *Pumping Engineer.*

INSPECTORS,
CLIFFORD BAYLIES,
ARTHUR R. WEEKS,
JOHN B. WILBUR.

REPORT.

CITY OF NEW BEDFORD,
OFFICE OF THE NEW BEDFORD WATER BOARD,
December 31st, 1901.

To the City Council of the City of New Bedford:

GENTLEMEN:—The New Bedford Water Board herewith presents the thirty-second annual report of this department.

The duties of the members of the Water Board have not been exacting this year. The new construction, which absorbed the attention of the Board for a number of years, is practically completed, and the consideration of the members has been chiefly devoted to routine matters.

The water supply has been ample, the decreased consumption being a source of gratification to the members. This is to be traced in some degree, we believe, to the sealing of fire hydrants and other service installed exclusively for fire protection in manufacturing establishments. Hitherto such service was unmetered and unprotected, and evidence having reached this Board that this supply was frequently utilized for purposes other than those for which it was provided, the Board instructed the Superintendent to seal such services. The use of this service, it may properly be explained, was often unsanctioned by the manufacturers; the supply

being tapped by employes, who were tempted by the convenient situation of the service. In many cases the supply was drawn upon for condensing purposes, and the employes failed to report. Howbeit, the Board appreciated that a large consumption which was unaccounted for disappeared in this manner and the sealing of the hydrants was resorted to. The decrease in consumption, partly attributed to this expedient, seems to have justified the course of the Board.

The attention of the Board is called to the increasing consumption of water by the City departments, for which a nominal lump sum, which has not been changed in many years, is paid. A very large quantity of water is thus consumed, a considerable portion of which is more or less wasted. We feel it only proper to insist that economy in the use of water shall be exercised by the City departments as elsewhere.

The Little Quittacas pumping station and its surroundings are in excellent condition. The new boiler, the contract for which was placed with the Atlantic Works of East Boston over a year ago, is now in place and in good running order. This completes the duplication of all parts of the pumping machinery at this station, and the plant is now equipped in a manner which makes the service safe and reliable. The interior of the engine room has been fully completed. The most important work in this connection done this year was the placing of the top floor of polished birch.

On September 20th a contract was signed with the Walworth Manufacturing Co. of Boston to supply a steel pipe bend with joint flanges for the connecting of the steam pipe with the new boiler. Consideration, $43.39.

On October 25th a contract was signed with S. C. Nightingale & Childs of Boston for material for covering the new boiler. Consideration, $199.00.

The Superintendent in his report gives a detailed account of the inspection of the interior of the 48-inch steel force main in the month of May. It is gratifying to know that this important connecting link between the pumping station and the distributing reservoir remains in good condition.

The High Hill reservoir has not required any special attention, and it is in the best of good order.

A full account of a serious break in the 36-inch distributing main leading from High Hill reservoir to the City on April 5th appears in the Superintendent's report. This failure emphasizes the importance of duplication in certain essential parts of a water works system in order to prevent a possible water famine.

Thirteen thousand seven hundred twenty-two feet of main distribution pipe have been laid, and two thousand three hundred two feet of that previously laid have been removed. The total amount of main pipe now in use is 94.8864 miles.

The number of service pipes has been increased 167. The total number now in use is 9,447.

One hundred thirty-seven meters have been added during the year.

Thirty-nine petitions for the extension of main pipes have been received. Of this number thirty-seven have been granted.

On January 19th a contract was signed with the United States Cast Iron Pipe & Foundry Co., of Philadelphia, Pa., for 203 gross tons of cast iron pipe and special castings. The consideration was $23.70 per gross ton for ordinary straight bell and spigot pipe, and $49.00 per gross ton for special castings. These prices include delivery upon wharf in this city. The delivery under this contract was concluded in April.

On January 26th a contract was signed with the Walworth Manufacturing Co. of Boston for the usual supply of screw taps and sidewalk stops for service

supplies. The consideration was from 58 cents to 75 cents each, according to size, for the taps, and from 48 cents to 53 cents each for the stops.

On May 17th a contract was signed with the National Lead Co. of Boston for four tons of pig lead at $4.62½ per one hundred pounds, delivered in New Bedford; and a similar contract for the same amount was signed with the Chadwick-Boston Lead Co. on September 11th at $4.59 per one hundred pounds.

On September 28th a contract was signed by the Fuel Committee of the City Council with the Garfield & Proctor Coal Co. for 850 gross tons of either "Pocahontas" or "Georges Creek Cumberland" coal, to be delivered upon cars at Braley's Station. Consideration, $5.10 per 2240 pounds.

On June 27th Robert W. Taber was re-elected a member of this Board for a term of three years.

The following is a brief statement of the financial operations of the past year:

Balance Dec. 1st, 1900,	$5,795.02
Receipts for the year, all sources,	127,130.54
	$132,925.56

The charges have been as follows:

Expenditures for management and repairs,	$99,107.59
Expenditures for extensions,	22,449.23
	$121,556.82
Which leaves a balance to the credit of the works on the books of the City Treasurer, Dec. 1st, 1901,	$11,368.74

Debits.

Balance Dec. 1st, 1900,		$5,795.02
Receipts from water rates,	$107,583.64	
Mains,	2,157.97	
Services,	2,406.02	
Mill piping,	423.46	
Meters and sealing hydrants,	1,961.58	
Fines,	78.00	
Workshop,	17.61	
Quittacas pumping station,	25.30	
Railroad,	4.00	
Lands around ponds,	382.66	
High Hill reservoir,	53.00	
Miscellaneous,	37.30	115,130.54
General appropriation for use of water for public purposes,		12,000.00
General appropriation from tax levy to make up deficit,		72,580.00
		$205,505.56

Credits.

Management and repairs, less interest, bonds paid and sinking funds,		$36,107.59	
Extension of works,		22,449.23	
Interest on bonds, general appropriations,	$66,580.00		
Interest on Sylvia Ann Howland Fund, general appropriations,	6,000.00		
Interest paid from water rates,	5,000.00		
Bonds paid from water rates,	30,000.00	107,580.00	
Sinking funds (further supply) paid from water rates,		24,000.00	
Sinking funds, paid from water rates,		4,000.00	
Balance Dec. 1st, 1901,		11,368.74	$205,505.56

The actual outlay for the construction of these works, exclusive of debt interest and management and repair account, and not including the cost of the "Further Supply," is $1,842,556.96.

Summary of receipts and expenditures for "Further Water Supply" to Dec. 2nd, 1901:

Receipts.

Bonds sold Dec. 15th, 1894,		$200,000.00
Bonds sold April 24th, 1896,		50,000.00
Bonds sold May 2nd, 1896,		200,000.00
Bonds sold July 1st, 1896,		150,000.00
Bonds sold Dec. 18th, 1896,		400,000.00
Bonds sold Jan. 1st, 1897,		200,000.00
Premium on bonds, Dec. 15th, 1894,	$18,632.00	
Premium on bonds, April 24th, 1896,	4,775.00	
Premium on bonds, May 2nd and July 1st, 1896,	30,866.50	
Premium on bonds, Dec. 18th, 1896,	35,428.00	
Premium on bonds, Jan. 1st, 1897,	21,660.00	111,361.50
		$1,311,361.50

Expenditures.

Cost of issuing water bonds,		$991.12
Salaries,		12,408.32
Traveling and other expenses,	$722.92	
Credit—Carriage hire, 2nd audit,	5.00	717.92
Telegraph and telephone messages,		164.34
Legal expenses,		1,681.00
Printing and stationery,		136.74
Water gaugings at Quitticas ponds,		3,179.18
Maintenance of rain gauges,		278.50
Survey and map of Quittacas ponds,		2,197.23

Lands bordering upon Quittacas ponds:

Surveying and placing bounds,	$5,433.84
Examination of titles and other legal expenses,	5,065.79
Cost of land and options,	98,904.18
Surveying water shed, Lakeville ponds,	1,834.55
Clearing land, etc.,	905.92
	$112,144.28

Credits.

Rents received,	$882.80		
Middleboro taxes received,	103.44		
Rochester taxes received,	57.23		
Rebate on insurance,	26.67		
Sale of hay,	64.00		
Sale of machinery,	47.50		
Sale of cedar poles,	15.00		
Sale of furniture,	29.00		
Sale of buildings,	50.00	1,275.64	110,868.64

Pumping station and conduit connections at Little and Great Quittacas ponds, etc.:

Engineering,	$10,334.67
Designing engines and boilers and inspecting construction,	21,711.22
Foundation of pumping station and engines and intake into Little Quittacas pond, etc.,	78,681.56
Inspection of connection between ponds, intake and work around ponds,	3,666.35
Draining and improving grounds and roads,	2,589.90
Cost of engines,	136,748.52
Fire piping,	989.78
Legal expenses,	260.40
Iron castings,	1,894.47
Boiler plates,	1,345.41
Contract, superstructure,	58,116.77
Freight and carting,	169.30
Contract, building boiler,	8,276.26
Draining building, sewage, etc.,	1,104.65
Crane,	2,780.73
Lighting equipment,	202.62
Other supplies,	780.23
Sluice gates,	1,963.75
Bridges,	84.10
Gate houses, superstructure,	3,440.00
Finishing floors,	1,378.70
Air pumps and connections,	2,688.00
Miscellaneous labor,	1,266.37
Steam piping,	1,512.70
Water gates,	1,151.16

Reheater,	640.00	
Flue,	747.09	
Covering boiler and steam pipe,	737.70	
Feed pump,	396.50	
Second boiler,	13,524.75	
	$359,183.66	

Credits.

Sale of cement and brick,	$322.33		
Sale of rope,	27.50		
Rebate on insurance,	3.94		
Use of derrick fall,	3.00		
Amount returned from Acock contract,	4,428.06	4,784.83	354,398.83

Force main :

Engineering, including surveying and placing bounds,	$16,832.07	
Examination of titles and other legal expenses,	998.05	
Cost of land,	7,279.07	
Changing dry swamp ditch,	317.54	
Contract, cost of pipe and laying,	324,328.80	
Inspection on line,	8,858.25	
Cost of gates,	6,991.09	
Clearing wood,	566.42	
Inspection at foundry,	2,736.60	
Cast-iron pipe,	4,432.42	
Fencing,	130.00	
Freight and carting,	298.91	
All other supplies,	93.90	
Digging drains and other labor,	710.02	
Gravel, filling swamp,	1,080.00	
	$375,653.14	

Credits.

Sale of wood,	$526.17		
Labor,	58.25	584.42	$375,068.72

Distributing reservoir at High Hill:

Engineering, including surveying and placing of bounds,	$10,149.49	
Examination of titles and other legal expenses,	194.87	
Cost of land,	8,866.47	
Moving buildings and repairs,	513.23	
Carriage hire,	10.00	
Contract, construction of reservoir,	138,650.72	
Cast-iron pipe and other castings,	2,587.57	
Masonry inspection,	3,433.00	
Cost of changing road,	932.30	
Earthwork inspection,	1,007.00	
Sluice gates,	4,363.75	
All other supplies,	204.02	
Work after completion of contract,	1,458.40	
Gate houses,	5,721.20	
Fence around reservoir,	2,571.75	
Steps,	446.40	
Weir,	294.89	
	$181,405.06	

Credits.

Sale of land,	$1,000.00		
Sale of wood,	475.00		
Labor,	9.44		
Insurance rebate,	9.60		
Rebate on pickets,	36.70	1,530.74	$179,874.32

Distributing main from High Hill reservoir to City:

Engineering, including surveying and placing bounds,	$5,888.04
Examination of titles and other legal expenses,	139.70
Cost of land,	1,033.51
Cost of pipe and special castings,	108,790.17
Wharfage and handling pipe,	1,868.04
Gasket,	184.44
Inspecting pipe,	1,541.34
Lead,	961.06
Gates and boxes,	6,352.77

Toolhouse, blacksmith shop and tools,	121.21	
Labor,	6,864.24	
All other supplies,	68.49	
Carting,	4,266.55	
Freight and express,	5.22	
Lumber,	182.69	
Inspection,	534.96	
Contract, Nash road to reservoir,	26,826 16	
Lowering Turner's pond,	100.00	
Lowering sewers, etc.,	217.99	
Drain in 60-foot way,	129.75	
	$166,076.33	

Credit.

Board of Public Works, crusher stone,	275.87	$165,800.46

Railroad, Braley's to Little Quittacas:

Engineering,	$4,828.20	
Hearing at Freetown and legal expenses,	198.29	
Contract for railroad,	61,594.40	
Inspection,	826.50	
Siding at Braley's,	1,473.73	
Cast-iron pipe,	403.14	
Signs,	143.78	
Gravel, etc.,	2,082.70	
Wooden culverts,	672.10	
Labor,	15.00	
Trestle in coal shed,	1,393.80	$73,631.64

Telephone lines:

Labor,	$15.50	
Poles,	373.02	
Wiring lines,	94.18	
Rent of telephone,	112.50	
Other supplies,	6.03	
Freight,	20.47	$621.70

Dam between Great Quittacas and Pocksha ponds:

Engineering,	$1,047.20	
Contract,	24,600.00	
Inspection,	373.50	$26,020.70
Total expenditures,		$1,308,039.36
Balance to credit of account, Dec. 2nd, 1901,		3,322.14
		$1,311,361.50

Accompanying this report, and a part of it, are the reports of the Water Registrar and of the Superintendent, which appear in the following pages.

Very respectfully submitted,

CHAS. S. ASHLEY,
JOHN L. G. MASON,
SAMUEL C. HUNT,
Z. W. PEASE,
ROBT. W. TABER,
New Bedford Water Board.

Report of the Water Registrar.

CITY OF NEW BEDFORD,
WATER REGISTRAR'S OFFICE,
December 1st, 1901.

To the New Bedford Water Board:

GENTLEMEN:—I herewith present to you the annual statement of my accounts as Water Registrar for the year ending at this date:

RECEIPTS.

Balance Dec. 1st, 1900,			$5,795.02
Receipts for water:			
Rates, domestic,	97,666.42		
Rates, manufacturing,	9,917.22		
Appropriations for public buildings, fire hydrants, etc.,	$12,000.00	$119,583.64	
Receipts for mains,		2,157.97	
Services,		2,406.02	
Mill piping,		423.46	
Meters and sealing hydrants,		1,961.58	
Fines,		78.00	
Workshop,		17.61	
Quittacas pumping station,		25.30	
Railroad,		4.00	
Lands around ponds,		382.66	
High Hill reservoir,		53.00	
Miscellaneous,		37.30	127,130.54
			$132,925.56

Expenditures for the year ending Dec. 1st, 1901,	121,556.82
Balance cash in treasury, Dec. 1st, 1901,	$11,368.74

EXPENDITURES.

MANAGEMENT AND REPAIRS.

Engineering and superintendence,		$4,861.96
Water Registrar, inspection and clerk hire,		5,095.08
Pumping expenses, engineers, firemen and watchmen:		
Salaries and labor,	$6,355.68	
Fuel,	3,341.26	
Oil, waste, packing and lighting,	343.97	
Other supplies,	121.62	
Repairs of engines,	10.37	
Repairs of boilers,	73.43	
Other repairs,	24.78	
Buildings and grounds,	1,278.42	
Miscellaneous,	554.41	12,103.94
Mains:		
Cast-iron pipe,	1,024.38	
Stop gates,	403.01	
Hydrants,	261.71	
Flushing and inspecting,	259.78	1,948.88
Services:		
Pipe,	133.52	
Renewing and driving stop boxes,	341.17	
Clearing stops, taps and pipe,	60.14	534.83
Fountains,		135.11
Meters,		486.60
General maintenance:		
Printing, stationery, advertising and postage,		563.80
Car fares, express, telephone, telegrams,		702.65
Horses and wagons,		1,449.54

Labor at workshop,		748.60	
Materials at workshop,		73.26	
Fuel and lighting at workshop,		28.94	
Repairs workshop, buildings and pipe yard,		568.96	
Miscellaneous,		406.13	
Land, buildings, taxes, etc.,		1,454.71	
Great Quittacas pond and connection with Little Quittacas,		10.50	
Little Quittacas pond and inlet conduit,		822.29	
48-inch steel force main,		427.47	
High Hill reservoir,		825.70	
36-inch distributing main,		397.50	
Connection Little Quittacas pond and storing reservoir,		37.50	
Storing reservoir,		5.96	
Conduit,		.77	
Receiving reservoir,		124.59	
Mt. Pleasant distributing reservoir,		40.35	
Meteorological instruments,		3.12	
Railroad,		930.18	
Purchase street pumping station,		1,143.66	
Sealing mill hydrants,		78.86	
Engineer's dwelling house,		96.15	
Sinking funds paid from water rates:			
Further water supply,	$24,000.00		
Old supply,	2,800.00		
Bonds of 1900,	1,200.00	28,000.00	
Bonds paid from water rates,		30,000.00	
Interest paid from water rates,		5,000.00	$99,107.59

EXTENSIONS.

Mains:			
Main pipe and special castings,	$6,338.19		
Stop gates,	1,168.43		
Hydrants,	857.40		
Lead and gasket,	1,015.73		
Tools,	970.34		
All other supplies,	418.96		
Freight and carting,	165.80		
Labor,	5,616.37		
Unloading pipe and wharfage,	126.73	16,677.95	

Services:			
Pipe,	$1,470.15		
Taps and stops,	365.25		
All other supplies,	209.89		
Labor,	1,317.76		
Plumbing,	373.01	3,736.06	
Meters:			
Cost of meters,	$1,185.07		
Cost of setting,	70.28	1,255.35	
Mill piping,		530.77	
Fountains,		249.10	22,449.23
Total expenditures for the year,			$121,556.82
Whole outlay upon the works to this date,			$3,162,884.44
Balance Dec. 1st, 1901,			11,368.74
			$3,174,253.18

The receipts from the commencement of the works to this date have been as follows, viz.:

Appropriations by the City Council,		$1,038,000.00
Receipts from water and other sources,		2,136,253.18
		$3,174,253.18
Deduct total outlay,		3,162,884.44
Balance as above, Dec. 1st, 1901,		$11,368.74
Outlay,		$3,162,884.44
Deduct from outlay:		
Paid for management and repairs,	$779,439.34	
Interest paid,	147,788.14	
Bonds paid,	225,000.00	
Sinking funds,	25,700.00	
Sinking funds (further supply),	140,000.00	
Sinking funds, bonds of 1900,	2,400.00	1,320,327.48
Actual cost of works,		$1,842,556.96

Total receipts for water,	$2,136,253.18
Deduct the amount for maintenance, debt, interest, and sinking funds,	1,320,327.48
Water receipts applied to construction,	$815,925.70

The funds for the construction of these works have been derived from the following sources, viz.:

Investment of Sylvia Ann Howland educational bequest,	$100,000.00
Sylvia Ann Howland water bequest,	100,000.00
Received from sale of bonds,	815,000.00
Net receipts applied to construction,	815,925.70
Appropriation for construction in 1885,	23,000.00
	$1,853,925.70
Deduct balance Dec. 1st, 1901,	11,368.74
Cost of works as stated above,	$1,842,556.96

The water debt at this date is as follows, viz.:

Water bonds, 7 per cent.,	$80,000.00
" " 6 " "	100,000.00
" " 5 " "	60,000.00
" " 4 " "	140,000.00
" " 4 " " (further supply),	1,200,000.00
" " 3½ " "	48,000.00
Sylvia Ann Howland bequest, 6 per cent.,	100,000.00
	$1,728,000.00
Less sinking funds,	181.727.69
Net water debt, Dec. 1st, 1901,	1,546,272.31
Outlay for management and repairs,	$99,107.59
Outlay for extensions,	22,449.23
	$121,556.82

Deductions:		
Receipts for services,	$2,406.02	
Receipts for meters sold,	1,961.58	
Receipts for mains,	2,157.97	
Receipts for fines and other sources,	1,021.33	7,546.90
Net expenditures,		$114,009.92
Amount appropriated in 1901 for interest on water loan,		$72,580.00
Expenditures by the Water Board,		114,009.92
Actual amount expended in 1901,		$186,589.92
Water receipts in 1901,		$119,583.64
Water receipts in 1900,		115,771.46
Increase in 1901,		$3,812.18

Statement of "Further Water Supply" account:

RECEIPTS.

Bonds sold,	$1,200,000.00
Premiums on same,	111,361.50
Sales, etc.,	8,456.50
	$1,319,818.00

EXPENDITURES.

Amount paid as per schedule,	$1,316,495.86
Balance unexpended Dec. 1st, 1901,	$3,322.14

JAMES H. HATHAWAY,
Water Registrar.

Report of the Superintendent.

NEW BEDFORD WATER WORKS,
SUPERINTENDENT'S OFFICE,
December 2nd, 1901.

To the New Bedford Water Board:

GENTLEMEN—The thirty-second annual report of the Superintendent, for the year ending December 1st, 1901, is herewith presented.

The supply has been ample during the entire year. There will be no lack in this direction until there is a large increase in the amount used. From present indications that time is probably some years in the future.

Surface waters everywhere develope microscopic organisms which in nearly every case are at times the cause of a noticeable color, odor or taste. Occasionally the water is rendered very disagreable for drinking from this cause. Our source of supply is no exception to this law, although we are favored with little trouble when compared with the majority of supplies. In former years this trouble was much more pronounced with the Acushnet supply than has yet developed from the present source. When such a condition exists there is no evidence to suspect the water as unsafe; yet many takers resort at such a time to the use of water from sources of unknown quality, simply because it may be free from color, taste and odor. The waters of a public supply are carefully watched, and are seldom exposed to the dangers of con-

tamination. A disagreable taste may occasionally appear, yet the water remains perfectly safe for all domestic use. On the other hand, spring waters as a rule are often exposed to serious damage of pollution, either at its source, or in the process of collection and delivery.

Tables showing the rainfall at the Little Quittacas pumping station and old storing reservoir; and those showing result of analysis of samples of water taken from different localities are herewith presented. The latter tables are kindly supplied by Chief Engineer Goodnough of the Massachusetts State Board of Health.

Rainfall at Quittacas Pumping Station for 1901.

Day.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1					.13	.02			.50			
2			.08				.26					
3				1.70	.74	.06		.20		.02		
4			.40	.08				.23				1.67
5		.66	.30	.02			.21					
6							.24			.13		
7							.11	.64				
8				1.56		1.41						
9					.32		.02					
10			.38									.96
11			1.98	.15					.02			
12	1.45				.95	.04	.31	.06	.08	.02	.37	
13					.39							.28
14			.07			.03			.05	2.64		
15	.07							.02	.04			1.91
16												
17			.04	1.47						.04		.32
18	.33						.38	.74	.32			
19							1.21	.12	.67		.18	.05
20			.03		2.65				.25			
21	.04		1.21			.02						
22				.56		.27						
23					.24	.07						
24	.29	.39	.53	.56				.74				.50
25					.55		.49				1.38	.02
26				.47	.05		.05				.06	
27			2.76		.76							.88
28					1.68							
29					.01		.12		1.16			
30				.08			.03					2.93
31	.18						.02					
Totals	2.36	1.05	7.78	6.65	8.47	1.92	3.45	2.75	3.09	2.85	1.99	9.52

Total fall for the year, 51.88 inches.

Rainfall at Acushnet Storing Reservoir for 1901.

Day.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1									.13			
2			.08				.12					
3				1.70	.86	.27	.25					
4			.87					.35				1.81
5		.66					.27					
6							.28					
7				1.73				.85				
8						1.29						
9			.30		.42							
10												.95
11			1.77	.14	.77		.15					
12	1.47										.35	
13												.40
14												
15									.11	2.27		1.95
16	.39			2.45					.30			
17							.15			.75		.35
18								.87	.65			
19							.15	.22				
20					2.87				.23		.20	
21			1.15									
22				.54								
23					.28	.12						
24	.37	.36										.49
25			.55		1.12		.47	.58			1.51	
26												
27			2.96	1.26	1.95							.91
28												
29									1.19			
30												2.85
31	.21											
Totals	2.44	1.02	7.68	7.82	8.27	1.68	1.84	2.87	2.61	3.02	2.06	9.71

Total fall for the year, 50.12 inches.

Water Analysis, State Board of Health.

PARTS IN 100,000.

Number.	Date of Collection.	Appearance.			Odor.		Residue on Evaporation.		Ammonia.				Chlorine.	Nitrogen as		Oxygen consumed.	Hardness.	Iron.
		Turbidity	Sediment.	Color	Cold.	Hot.	Total.	Loss on ignition.	Free.	Albuminoid. Total.	Albuminoid. Dissolved.	Albuminoid. Suspended.		Nitrates.	Nitrites.			
	1900																	
34,221	Dec. 26	None	Very slight	.11	None	Faintly vegetable	3.00	0.90	.0020	.0164	.0146	.0018	.57	.0020	.0000	.42	0.6	——
	1901																	
34,528	Jan. 22	None	Very slight	.17	Faintly vegetable	Distinctly vegetable	3.85	1.45	.0036	.0184	.0164	.0020	.57	.0010	.0000	.37	0.8	——
34,887	Feb. 26	Very slight	Very slight	.16	None	Faintly vegetable	3.50	1.40	.0016	.0166	.0152	.0014	.59	.0010	.0000	.39	0.8	——
35,242	Mar. 26	Very slight	Very slight	.20	None	Faintly vegetable	3.75	1.50	.0040	.0174	.0162	.0012	.52	.0020	.0000	.42	0.6	——
35,488	Apr. 23	Very slight	Very slight	.20	None	None	3.00	1.40	.0012	.0170	.0152	.0018	.46	.0020	.0000	.43	0.8	——
35,768	May 22	Very slight	Slight	.23	None	None	3.00	1.35	.0018	.0154	.0140	.0014	.46	.0020	.0000	.42	0.8	——
36,116	June 25	Very slight	Slight	.34	Faintly vegetable	Distinctly vegetable	3.50	1.65	.0022	.0170	.0152	.0018	.49	.0030	.0001	.60	1.0	——
36,520	July 24	Very slight	Very slight	.31	Very faintly vegetable	Faintly vegetable	3.10	1.35	.0020	.0192	.0174	.0018	.43	.0010	.0001	.63	0.6	——
36,968	Aug. 27	Slight	Slight	.32	Faintly vegetable	Distinctly vegetable	3.55	1.90	.0072	.0228	.0184	.0044	.45	.0020	.0001	.52	1.1	——
37,332	Sept. 24	Very slight	Slight	.24	Faintly vegetable	Distinctly vegetable	4.75	2.35	.0002	.0194	.0168	.0026	.50	.0010	.0000	.69	1.3	——
37,647	Oct. 21	Very slight	Slight	.20	Faintly vegetable	Distinctly vegetable	3.10	1.50	.0000	.0202	.0178	.0024	.47	.0000	.0000	.38	1.1	——
38,132	Nov. 26	Very slight	Very slight	.19	Distinctly vegetable	Decidedly vegetable	3.25	1.65	.0010	.0156	.0138	.0018	.46	.0000	.0000	.33	0.6	——

These samples were collected from faucet in City Hall.

Scale of colors: 0—Colorless.
1—Yellowish brown tint.
2—Deep yellowish brown tint.

Water Analysis, State Board of Health.

PARTS IN 100,000.

Number.	Date of collection.	Appearance.			Odor.		Residue on Evaporation.		Ammonia.				Chlorine.	Nitrogen as		Oxygen consumed.	Hardness.	Iron.
		Turbidity.	Sediment.	Color.	Cold.	Hot.	Total.	Loss on ignition.	Free.	Albuminoid. Total.	Albuminoid. Dissolved.	Albuminoid. Suspended.		Nitrates.	Nitrites.			
	1900																	
34,241	Dec. 26	Very slight	Very slight	.14	None	Faintly vegetable	3.50	1.40	.0010	.0164	.0146	.0018	.57	.0050	.0000	.46	0.6	—
	1901																	
34,549	Jan. 22	None	Very slight	.16	Faintly unpleasant	Faintly unpleasant	3.65	1.30	.0028	.0186	.0150	.0036	.57	.0030	.0000	.35	0.6	—
34,884	Feb. 26	Very slight	Slight	.20	Faintly vegetable	Distinctly vegetable	3.70	1.70	.0010	.0192	0166	.0026	.60	.0030	.0000	.41	0.8	—
35,257	Mar. 26	Very slight	Slight	.22	Faintly vegetable	Distinctly vegetable	3.25	1.30	.0010	.0178	.0164	.0014	.50	.0030	.0000	.41	0 5	—
35,550	Apr. 23	Very slight	Slight	.27	None	None	3.10	1.45	.0010	.0178	.0160	.0018	.50	.0020	.0000	.45	0.6	—
35,753	May 22	Very slight	Very slight	.32	None	Faintly vegetable	3.15	1.55	.0010	.0140	.0130	.0010	.47	.0020	.0000	.47	0.5	—
36,121	June 25	Very slight	Very slight	.42	Faintly vegetable	Distinctly vegetable	3.60	1.60	.0014	.0222	.0194	.0028	.48	.0010	.0000	.65	0.6	—
36,447	July 22	Very slight	Slight	.35	Faintly unpleasant	Faintly unpleasant	3.90	1.50	.0028	.0244	.0220	.0024	.40	.0020	.0000	.58	1.0	—
37,025	Aug. 29	Very slight	Considerable	.32	Faintly vegetable	Distinctly vegetable	4.00	1.80	.0032	.0204	.0164	.0040	.46	.0020	.0000	.57	0.8	—
37,411	Sept. 24	Very slight	Very slight	.28	Distinctly vegetable	Distinctly vegetable	3.95	1.90	.0032	.0194	.0172	.0022	.44	.0001	.0001	.53	0.8	—
37,657	Oct. 21	Very slight	Very slight	.22	Faintly vegetable	Distinctly vegetable	3.40	1.60	.0004	.0216	.0180	.0036	.45	.0020	.0000	.41	1.0	- -
38,130	Nov. 26	Very slight	Slight	.23	Faintly vegetable	Distinctly vegetable	3.40	1.65	.0014	.0162	.0126	.0036	.47	.0010	.0000	.30	0 5	—

These samples were collected from Little Quittacas Pond.

Scale of colors: 0—Colorless.
1—Yellowish brown tint.
2—Deep yellowish brown tint.

Water Analysis, State Board of Health.

PARTS IN 100,000.

Number.	Date of Collection.	Appearance.			Odor.		Residue on Evaporation.		Ammonia.				Chlorine.	Nitrogen as		Oxygen consumed.	Hardness.	Iron.
		Turbidity.	Sediment.	Color	Cold.	Hot.	Total.	Loss on ignition.	Free.	Albuminoid. Total.	Albuminoid. Dissolved.	Albuminoid. Suspended.		Nitrates.	Nitrites.			
	1901																	
34,883	Feb. 26	Slight	Considerable scum	.39	Decidedly unpleasant	Decidedly disagreeable	4.10	1.85	.0016	.0268	.0180	.0088	.61	.0020	.0000	.58	0.8	—
35,752	May 22	Very slight	Considerable	.59	Faintly unpleasant	Distinctly disagreeable and fish oily	3.80	2.25	.0010	.0182	.0154	.0028	.46	.0010	.0000	.75	0.3	—
37,024	Aug. 29	Very slight	Slight	.37	Faintly vegetable	Distinctly vegetable	3.75	2.00	.0028	.0188	.0164	.0024	.44	.0010	.0001	.68	0.5	—
38,129	Nov. 26	Very slight	Slight	.31	Faintly vegetable	Distinctly vegetable	3.25	1.50	.0008	.0164	.0132	.0032	.46	.0000	.0000	.44	0.5	—

These samples were collected from Great Quittacas Pond.

Scale of colors: 0—Colorless.
1—Yellowish brown tint.
2—Deep yellowish brown tint.

Water Analysis, State Board of Health.

PARTS IN 100,000.

Number.	Date of collection.	Appearance.			Odor.		Residue on Evaporation.		Ammonia.				Chlorine.	Nitrogen as		Oxygen consumed.	Hardness.	Iron.
		Turbidity.	Sediment.	Color.	Cold.	Hot.	Total.	Loss on ignition.	Free.	Albuminoid. Total.	Albuminoid. Dissolved.	Albuminoid. Suspended.		Nitrates.	Nitrites.			
	1901																	
34,886	Feb. 26	Decided	Considerable scum	1.02	Distinctly unpleasant and fishy	Distinctly disagreeable and fishy	6.10	2.80	.0032	.0580	.0284	.0296	.66	.0030	.0002	1.20	1.4	—
35,767	May 22	Very slight	Considerable	1.36	Faintly vegetable	Distinctly vegetable	4.40	2.50	.0022	.0206	.0168	.0038	.44	.0030	.0000	1.21	1.0	—
36,969	Aug. 27	Slight	Considerable	1.05	Distinctly vegetable	Decidedly vegetable	4.70	2.55	.0080	.0272	.0252	.0020	.45	.0010	.0002	1.00	1.1	—
38,131	Nov. 26	Very slight	Very slight	0.50	Distinctly vegetable	Decidedly vegetable	3.75	1.75	.0012	.0252	.0240	.0012	.50	.0020	.0000	0.61	0.5	—

These samples were collected from the old Storing Reservoir.

Scale of colors: 0—Colorless.
1—Yellowish brown tint.
2—Deep yellowish brown tint.

One year ago the water surface of Great Quittacas pond was at elevation 48.85. By the middle of April it had risen to elevation 51. and on June 1st it stood at 51.38. Since it has slowly settled; it now stands at 49.30.

The surface of Little Quittacas pond has varied from elevation 51.38 on June 1st to 45.70 on November 13th. At this date it is at elevation 47.50.

The work of clearing up around the shore line of this pond has been continued. Considerable attention has been given to the grounds around the Quittacas pumping station. Some new trees have been set out to replace those blown down; and a lot of ornamental shrubs have been placed in selected localities. The bank wall in front of the station, which was damaged by the rough water last winter, has been repaired. A considerable portion of the unsightly swamp land around "Spring brook," south of the pumping station, has been graded and its appearance is much improved.

During the gale of November 24th, the tall kitchen chimney of the engineer's dwelling house fell, doing considerable damage to the roof and interior plastering of rooms beneath. Repairs are now in progress.

Slight repairs, mostly grading, have been made to the railroad connecting the pumping station with Braley's Station. Four gates have been placed across the line of the railroad, one each side of both the County and the Middleboro roads. These gates are kept locked when the track is not in use. They were placed to prevent further serious damage to the railroad bed by reason of its being used by teamers as a convenient road for the carting of wood from the lands adjoining the railroad and force main right of way.

The 48-inch steel force main connecting the Quittacas pumping station with High Hill reservoir remains in excellent condition. There have been no leaks during the past year. The usual labor necessary to maintain the embankment and right of way in proper condition has been

done. The temporary discontinuance of the Quittacas pumping station in May afforded a good opportunity for an interior inspection of this line of pipe. Its entire length is 8¾ miles. That portion beginning at High Hill reservoir and extending 1¾ miles toward the pumping station was emptied. As this was to be the first internal inspection which this pipe had received since it was placed in 1896, it was thought that possibly more or less painting might be needed. Preparation for this work was accordingly made. But this proved to be unnecessary, as scarcely any work other than that due to the examination was needed. When in use the water flows through this pipe at the rate of 1¼ feet per second — a rather slow velocity. So upon the bottom of the pipe there appears quite a collection of sediment which has settled from the water — generally in small hard lumps. When these are numerous the bottom has a pebbly appearance. Then along the sides, extending upwards from the bottom, an occasional blister was found. The largest was perhaps an inch in diameter. A touch would break the asphalt and expose the fresh steel beneath, which was bright and clear. When broken, all such places were touched with paint.

All formations described were confined to the bottom part of the pipe, say a segment of ninety degrees. The remaining three quarters were as smooth as glass; perfectly bright and clear, and apparently as fresh looking as upon the day it was placed. The asphalt coating was found to be covered with the thinnest kind of scum, hardly thicker than frost upon the window pane. The white paint marks upon the top made by the contractors during construction to identify each pipe are still clear and distinct. The above described section was found to be in such good condition that the need of inspecting the remaining portion was not apparent; accordingly it was not emptied. As the result of this examination it is safe to say that it will be a long term of years before any work approaching a general overhauling of this line of pipe will be necessary.

The fence around High Hill reservoir enclosure has been painted. This is the only work outside of the usual maintenance which has been required at this place. Every detail around this reservoir will be found in good order.

The only work required in connection with the 36-inch cast iron distributing main leading from High Hill reservoir to the city distributing system was the repair of a break which occurred at four o'clock upon the afternoon of April 5th. The first indication was felt simultaneously at both the office and the workshop by a sudden drop of 35 pounds from the normal pressure. Within a short time the trouble was located on Mt. Pleasant street, 1142 feet north of Nash road. In about one half hour after the first warning the water was shut off, but not until over one and a half million gallons of water had wasted from the break. The break was caused by the blowing out of a large piece in the middle of a pipe. It approached an oval in shape and was about three feet wide and five feet long. It came out very much as a cover is lifted off of a stove. There were no cracks in the remaining parts of the pipe, neither were there any at the spigot end. The break extended from the bottom of the pipe upwards upon the side. The iron as far as could be seen was of full thickness and of good quality. As soon as it was shut off a gang of men were set at work in the matter of quick repairs. All night long, and until nine o'clock the next morning, the work of cutting out the damaged parts and replacing the same with a section of new pipe continued. Meanwhile the city was supplied from the storage in Mt. Pleasant reservoir, and under the reduced pressure due to the water level in that reservoir. There is a 24-inch check valve in the connection of the Mt. Pleasant reservoir with the city distributing system. It was installed when the "Further supply" was connected to meet just such an emergency as described above. A break in the supply from High Hill will, of course, reduce the pressure, and the valve will automatically open, bringing the Mt. Pleasant water

into immediate use. The Purchase street pumping station was in readiness for a quick start in case of unforseen delay in the matter of repairs, and consequent danger of exhausting the storage in the Mt. Pleasant reservoir.

The position of this break was such that the escaping water spread out and did very little damage. We have no satisfactory explanation to offer as to the cause. The pipe had been tested by our inspector at the foundry under 300 pounds hydraulic pressure. When the break occurred it was under a pressure of only about 50 pounds. There is no evidence that the trouble was due to a water hammer. It may be that the iron in that part of the pipe was suddenly chilled at the foundry when the casting was taken from the flask and that this place has always been weak.

This episode emphasizes the importance of keeping the Purchase street station in constant readiness for a quick start to meet any similar emergency which may occur. Such an arrangement should continue until a second supply main from High Hill reservoir to the city shall have been placed.

Very little work has been needed in connection with either the Long Plain storing reservoir, the brick conduit leading from that reservoir to the city, the receiving reservoir, the Purchase street pumping station or the Mt. Pleasant distributing reservoir. The brick conduit, as I have said in former reports, will need a general overhauling before it is again placed in general use. With the uncertainty of its future use before us, it does not seem necessary to now do any more work in connection with any of these features than that absolutely necessary to keep the plant in fair working order.

At the Little Quittacas pumping station every detail will be found to be in good order. This station with its surroundings presents a very attractive appearance. Since the date of the last report, a top floor of polished birch has been laid in the engine room. The second boiler, which has been needed for a long time, is now in position. It

was used today (Dec. 2d) for the first time. It is an exact duplicate of the one that has been in use since the station was first started. It is a circular fire box boiler of special design, by Mr. E. D. Leavitt. Its principal dimensions are:—Length, 31 feet $7\frac{3}{4}$ inches; diameter, 108 inches; 152 3-inch tubes; two Morrison steel furnace flues, $42\frac{1}{16}$ inches inside diameter; heating surface, 2031 square feet. This boiler was constructed under contract with the Atlantic Works of East Boston, Mass. It arrived and was placed upon its foundation on September 21st. The connections have now all been made and the boiler is now ready for general use. This contract has been very satisfactorily concluded. The construction of the foundation for the new boiler was done by our own employes. The boiler which was installed with the engines has, up to the present time, been the only means of operating the station. On May 1st, it was thought unwise to continue its further use until it had received a thorough internal inspection and overhauling. It had then been in constant use since June 6th, 1899, a period of 23 months. The fires were drawn on May 1st, and the pumping operations were temporarily transferred to the Purchase street station. A considerable deposit of scale was found upon the furnace flues and a large deposit of scale and mud was removed from the back end of the boiler. The internal feed pipe was found to need repairs. The bridge walls of each furnace were removed. The pumping operations were again resumed on Monday, May 13th.

The following statistics relate to the operations at this station during the year:

Total quantity pumped (gallons),	2,086,593,318
Total coal used (pounds),	2,557,983
Gallons pumped per pound of coal,	816
Daily average quantity pumped (gallons),	6,909,216
Average head pumped against (feet),	189.52

The cost of pumping at this station has been as follows:

Fuel,	$5,652.68	
Labor,	6,193.88	
Oil, waste, packing and lighting,	280.40	
Repairs,	142.79	
Small supplies,	31.70	$12,301.45
Cost per million gallons pumped into reservoir,		5.90
Cost per million gallons raised one foot high,		$3\frac{11}{100}$ cents

At the Purchase street pumping station, Engine No. 2 was started on May 1st, and continued to operate until May 13th. This engine operated under the High Hill pressure. Aside from this, there has been no work done at this station during the entire year. The condition of the machinery, and need of repairs are the same now as stated in my last report. The following statistics relate to the operations at this station:

Number of days pumping,	12
Number of hours pumping,	281
Total number of strokes,	305,914
Average number of strokes per minute,	18.1
Total coal used for all purposes, (pounds)	132,083
Total number of gallons pumped,	45,275,272
Number of gallons pumped per pound of coal,	343
Number of gallons raised 100 feet, per pound of coal,	659
Average dynamic head against pump (feet)	192.04
Average duty in pounds raised one foot high per 100 pounds of coal, calculated on total coal used for all purposes, no deductions,	54,899,943

The cost of pumping at this station has been as follows:

Fuel,	$291.88	
Labor,	161.80	
Oil, waste, packing and gas,	10.51	$464.19
Cost per million gallons pumped into reservoir,		10.25
Cost per million gallons pumped one foot high,		$5\frac{34}{100}$ cents

The total cost of pumping for the year has been as follows:

1st. Figured on pumping station expenses, viz:—		
Fuel,	$5,944.56	
Labor,	6,355.68	
Oil, waste, packing and lighting,	290.91	
Repairs,	143.79	
Small supplies,	31.70	$12,765.64
Cost per million gallons pumped into reservoir,		5.99
Cost per million gallons raised one foot high,		$3\frac{16}{100}$ cents
2nd. Figured on total maintenance, viz:—		$113,687.59
Cost per million gallons pumped into reservoir,		53.33
Cost per million gallons raised one foot high,		$28\frac{13}{100}$ cents

The distributing mains have been increased 13,722 feet, and 2,302 feet of pipe previously laid have been removed. The total mileage is now 94.8864.

The 24 inch main pipe in Purchase street has been extended south from Coggeshall to Cedar Grove sts., replacing 6 inch pipe; and from that point south to Weld street a 16 inch main has been laid, replacing the 10 inch pipe formerly there. This completes a line of 16 inch pipe in Purchase street from Cedar Grove to North sts.

The 10 inch main in Cedar Grove street, from Purchase to State streets has been removed and replaced by 16 inch pipe.

These changes are in the line of improving the main feeder to the city.

There have been twenty-eight leaks upon the mains the past year, as herewith shown:

Date.	Size.	Location.	Cause.	Cost.
1900.				
Dec. 27	6 in.	Austin st., west of Pleasant	Joint started	$2.50
1901.				
Jan. 14	8 in.	Rivet st., east of Dartmouth	Joint started	3.36
Jan. 27	6 in.	Pine st., east of Water	Joint started	4.69
Feb. 11	10 in.	Riverside ave., north of Coffin ave.	Pipe broke	274.43
Feb. 23	8 in.	Fourth st., north of Wing	Joint started	3.80
Mar. 9	6 in.	Cottage road, west of Bolton road	Joint started	4.82
Mar. 12	6 in.	Poplar road, west of Bolton road	Joint started	4.38
Mar. 24	8 in.	Sawyer st., east of Mitchell st.	Joint started	4.88
Apr. 5	36 in.	Mt. Pleasant st, north of Nash road	Pipe burst	433.08
Apr. 27	6 in.	Smith st., east of Summer st.	Joint started	3.27
June 19	10 in.	Bolton road, north of Rockdale ave.	Joint started	3.32
Aug. 5	10 in	Acushnet ave., south of Nye st.	Pipe cracked	19.38
July 7	6 in.	Belleville ave., at Washburn st.	Joint started	4.87
July 23	4 in.	Pearl st., at State st.	Pick hole	4.38
July 25	2 in.	Siphon, Parker's wharf	Nipple broken	5.19
Aug. 16	4 in.	Walnut st., at Front st.	Joint started	2.62
Aug. 19	4 in.	Fourth st., at hydrant south of Madison	Joint started	3.00
Aug. 29	8 in.	County st., south of Mosher st.	Joint started	3.50
Sep. 10	8 in.	Hawthorn st., at Tremont st.	Joint started	6.29
Sep. 17	16 in.	Ash st., at Kempton st.	Joint started	1.64
Sep. 27	6 in.	Scott st., west of County st., at hydrant	Joint started	2.73
Oct. 22	6 in.	Acushnet ave., at Potomska st.	Joint started	2.52
Nov. 3	8 in.	Front st., at Wamsutta st.	Joint started	15.00
Nov. 8	30 in.	Mt. Pleasant st., north of Weld st.	Pipe cracked	114.24
Nov. 16	4 in.	Pine st., at Front st.	Joint started	4.22
Nov. 20	8 in.	Hillman st., west of Water st.	Joint started	4.11
Nov. 29	6 in.	Front st., at School st.	Joint started	2.52
Nov. 29	6 in.	Cedar Grove st., at Acushnet ave.	Joint started	5.99

A leak which caused considerable damage was discovered on Riverside ave., 28 feet south of Phillips ave., and abreast of the Whitman mill, on February 11th. The size of the pipe was 10 inch, and the break was probably due to settlement, as the pipe was found broken square across. The leak had undoubtedly been running some time when discovered. It was bitter cold and the ground was frozen several inches deep. Its first appearance was at a considerable distance from the break, meanwhile the water had forced an entrance into the sewer, carrying with it a large lot of earth filling which was deposited more or less inside the sewer. When the frozen surface was broken through, an immense cavity was discovered. It was startling to know that such a hole could exist so near the surface without giving evidence of its existence. The repairing of the pipe was a small item compared with the cost of refilling the cavity, and the trouble and expense necessary to clear the pipe sewers which were more or less filled from this point to their outlet.

One hundred and ninety-five service pipes have been laid, and twenty-eight of those previously set have been removed. The total number now in use is 9,447.

Thirty-eight service taps have been cleaned as follows:—rust, 27; fish, 7; trouble inside, 4.

Twenty-five new hydrants have been set, and thirteen of those previously set have been removed. The total number now in use is 750.

One new watering cart hydrant has been set, and one of those previously set has been removed. The total number now in use is 51.

Thirty-four new stop gates have been set, and seven of those previously set have been removed. The total number now in use is 1,092.

One small sized stop gate has been set, and one of those previously set has been removed. The total number now in use is 80.

Two new waste gates have been set. The total number now in use is 97.

Fourteen new private gates have been set, and five of those previously set have been removed. The total number now in use is 216.

Five new air taps have been set. The total number now in use is 49.

Twenty-six feet of small sized distribution pipe (less than four inch) have been laid. The total length now in use is 6,319 feet.

The total number of motors is 125.

The total number of meters is 1,566. This list may be divided as follows:

Manufacturing supplies,	69
Domestic supplies,	1,493
Public supplies,	4

The following is a list of the different patterns used.

Crown,	244
Union Rotary,	131
Hersey,	108
Hersey disc,	354
Empire,	112
Nash,	197
Trident,	140
Gem,	10
Lambert,	265
Thomson,	3
Columbia,	2

The following tables present interesting statistics regarding the consumption of water:

Monthly Consumption and Record of Pressure at the City Hall.

1901. Month.	Monthly Consumption.	Daily Average.	Pounds Pressure 10 A. M.			Pounds Pressure Midnight.		
	Gallons.	Gallons.	Max	Min.	Av.	Max.	Min.	Av.
January.	173,093,778	5,583,670	62	57	58	64	60	63
February.	171,756,390	6,134,157	61	56	58	64	61	63
March.	167,022,228	5,387,814	63	58	60	64	62	64
April.	153,857,970	5,128,599	63	57	59	64	37	63
May.	163,894,388	5,286,916	63	56	59	64	61	63
June.	170,479,326	5,682,644	61	56	58	64	59	63
July.	193,379,126	6,238,038	60	55	58	64	59	63
August.	196,027,538	6,323,469	60	54	57	64	61	63
September.	186,929,254	6,230,975	60	55	57	64	61	63
October.	196,770,510	6,347,436	62	55	57	64	60	62
November	183,354,170	6,111,806	59	55	57	63	61	62
December.	193,634,584	6,246,277	61	56	58	63	61	62
Averages.	179,183,272	5,890,957	63	54	58	64	37	63

COMPARISON OF THE CONSUMPTION OF THE YEAR 1901. WITH THE RECORD OF THE 19 PREVIOUS YEARS.

Year.	Estimated population.	Estimated number of consumers.	Total number of gallons consumed.	Average daily consumption.	Number of taps.	Gallons per day to each inhabitant.	Gallons per day to each consumer.	Gallons per day to each tap.
1882	28,500	20,424	859,119,622	2,326,352	4,203	82	114	553
1883	30,000	22,249	849,059,700	2,326,191	4,465	78	105	521
1884	33,000	23,749	867,815,595	2,371,080	4,691	72	100	506
1885	33,700	25,375	1,049,801,050	2,876,167	4,965	85	113	579
1886	34,500	28,480	1,086,534,615	2,976,807	5,225	86	104	569
1887	36,000	30,080	1,112,302,789	3,047,404	5,495	85	101	555
1888	37,500	31,826	1,229,841,794	3,360,223	5,785	89	109	581
1889	40,000	34,000	1,310,488,214	3,590,379	6,104	90	106	588
1890	41,500	35,740	1,485,143,213	4,066,200	6,394	98	114	636
1891	45,000	38,500	1,513,161,482	4,145,648	6,742	92	108	615
1892	50,000	41,776	1,607,955,166	4,393,320	7,134	88	105	616
1893	55,000	44,158	1,824,275,536	4,998,015	7,531	99	113	664
1894	56,000	44,661	1,747,167,532	4,786,760	7,767	85	107	616
1895	56,300	46,154	1,719,830,979	4,711,866	8,027	84	102	587
1896	59,000	48,570	1,924,800,313	5,259,017	8,447	89	108	623
1897	60,000	50,000	2,071,702,478	5,675,897	8,860	95	113	641
1898	58,000	50,000	2,156,277,643	5,907,610	9,014	102	118	655
1899	58,000	50,000	2,261,115,500	6,194,837	9,151	107	124	677
1900	62,500	55,000	2,306,997,774	6,320,542	9,280	101	115	681
1901	65,000	57,000	2,150,199,262	5,890,957	9,447	91	103	624

The maximum daily consumption was on Tuesday, October 1st, 8,014,882 gallons. The minimum was on Sunday, April 7th, 3,578,038 gallons.

The consumption has exceeded 7,000,000 gallons on 29 days.

The consumption for the entire year was 2,150,199,262 gallons. This is a reduction of 429,585 gallons in the daily average of the year.

This reduction may be attributed to three influences. A large proportion was no doubt saved during the summer months by the absence of a long continued drought, such as occurred the previous year. Then the sealing of the private fire hydrants and other supplies placed wholly for fire protection and which have heretofore been used for other purposes has had its effect. Lastly the gradual increase in the installation of meters is always in the direction of a lesser consumption.

While this reduction is in the right direction, it does not go anywhere near as far as it ought. It is safe to say that over one third of our daily supply runs to waste and does no one any good. The reduction of waste to its lowest terms will follow as a matter of course in inverse ratio to the placing of additional meters. Reduction of waste means maintaining the daily consumption within reasonable limits. The latter means postponement of the time when additional supplies will have to be secured at a heavy expenditure. Good water supplies are fast becoming scarce; and cities and towns are realizing that fact as circumstances compel them to husband their resources. Several cases can easily be cited where there has been quick action in the placing of meters for the purpose of keeping the consumption within proper bounds. Take the case of Cambridge:—in recent years they, like ourselves, found themselves with a short supply. Additional sources of supply were secured and heavy expenditures made in new construction. They have far exceeded our outlay in this direction. Yet, after all this has been

done, they now find difficulty in attempting to keep pace with the increase of the consumption. So they have now taken hold of the other phase of the question, i. e., the stopping of waste and consequent reduction of consumption. Heretofore, they have not advocated the meter system. Now they are among the most earnest in that direction. They had only a few meters. Within a short time they have installed over 1,000 meters at their own expense, and they pronounce the result thus far very satisfactory. This policy they propose to continue until practically all supplies are included.

The city of Hartford has had a similar experience. A few years ago they expressed themselves as opposed to a general meter system. They are supplied by a good gravity system, obtained from a series of storage reservoirs. Of late they have been perplexed in obtaining supply in sufficient quantities to meet the increased consumption. Last year the commissioners voted "to adopt the meter system as a means to prevent the enormous waste of water." They are now engaged in installing meters upon all supplies. They will have in use some 11,000 to 12,000 when the work is completed.

The city of Cleveland have also taken up this matter vigorously. At the time of this writing they have just placed an order for over 11,000 meters.

No restriction is placed upon the amount of water supplied to the different city departments. In some cases they use lavishly, and large volumes run to waste. There is no incentive on their part to use economically. Defects in plumbing are allowed to continue as the matter of repairs appeal to the department pocketbook; while the amount of water which passes through these defective fixtures—be it large or small—does not. The importance of looking after all such sources of waste would not be overlooked if such department were to pay for its own measured supply. It seems hardly right to allow such sources of waste to continue in the public buildings when

the city insists that private takers shall be dealt with in accordance with its rules and regulations for a comparatively small waste.

At the present time three new mills are in process of construction. These, with the additional population which they will create, will of course increase the legitimate daily consumption. Unless a change in the present policy is made, the corresponding waste is sure to follow. Should we continue to prosper, a comparatively few years will find us at the limit of our present resources. We do not have an unlimited source of supply as is sometimes stated. When our daily average consumption reaches 10 million gallons we shall be compelled to either enforce a curtailment in the daily consumption or seek additional supplies.

We made a good start a few years ago in the direction of introducing a meter system in this city. We now have 9,447 service supplies, 1,566 of which are metered. The results obtained from those which we have in use have been very satisfactory, and we know that it is the only practical way to keep the consumption within proper limits. Of late we have been passive in this work. Why not resume it, and continue each year to install a certain number with the view of eventually including all the supplies? It will be much more economical to follow some such plan than to wait until a time when an increase in the consumption compels quick and energetic action of some sort.

Respectfully submitted,

R. C. P. COGGESHALL,
Superintendent.

TABLE A.

Statement of Work Done by Leavitt Engine A for Year Ending December 1, 1901.

Diameter steam cylinders, 16 3 8 and 36 1-4 in.
Diameter pump plungers, 13 7-10 and 19 3-8 in.
Stroke of pistons and pump plungers, 90 in.

Average working steam pressure, 185 lbs.
Average static head, 166.12 ft.

Months.	Number of days or parts of days pumping.	Total pumping time per month. H.	M.	Total number of strokes per month.	Average number of strokes per minute.	Total coal used for all purposes. LBS.	Total number of gallons pumped per month, allowance being made for slip.	Number of gallons pumped per pound of coal for total coal.	Number of gallons raised 100 feet per pound of coal for total coal.	Average dynamic head against pump in feet, no allowance for friction in suction.	Average duty in pounds raised one foot high per 100 pounds of coal, calculated on total fuel used for all purposes, no deductions.
December, 1900	25	398	30	772,946	32.3	222,025	171,594,012	773	1,486	192.18	123,872,469
January, 1901	27	439	50	797,249	30.2	222,450	176,989,278	796	1,514	190.14	126,169,415
February, "	2	33	30	50,678	25.2	15,600	11,250,516	827	1,545	186.88	128,932,502
March, "											
April, "											
May, "	17	291	40	515,312	29.4	138,208	114,399,264	828	1,567	189.23	130,630,951
June, "	25	418	00	741,233	29.6	198,000	164,553,726	831	1,577	189.74	131,512,634
July, "	26	493	05	896,933	30.3	238,150	199,119,126	836	1,588	189.92	132,433,892
August, "	27	471	25	884,679	31.3	236,550	196,398,738	830	1,551	186.91	129,423,854
September, "	25	429	25	816,157	31.7	220,675	181,186,854	821	1,542	187.87	128,646,222
October, "	17	291	50	560,790	32.0	148,075	124,495,380	841	1,590	189.01	132,532,481
November, "											
Totals and Avgs.	191	3,267	15	6,035,977	30.8	1,639,733	1,339,986,894	817	1,547	189.30	129,016,150

The duty is based on total fuel used for all purposes. This includes banking fires, starting, heating building, running shop engine during day and electric light engine at night. No deduction for ashes, moisture in coal or anything else.

TABLE A.

Statement of Work Done by Leavitt Engine B for Year Ending December 1, 1901.

Diameter steam cylinders, 16 3-8 and 36 1-4 in.
Diameter pump plungers, 13 7-10 and 19 3-8 in.
Stroke of pistons and pump plungers, 90 in.

Average working steam pressure, 185 lbs.
Average static head, 166.53 ft.

Months.	Number of days or parts of days pumping.	Total pumping time per month. H. M.	Total number of strokes per month.	Average number of strokes per minute.	Total coal used for all purposes. LBS.	Total number of gallons pumped per month, allowance being made for slip.	Number of gallons pumped per pound of coal for total coal.	Number of gallons raised 100 feet per pound of coal for total coal	Average dynamic head against pump in feet, no allowance for friction in suction.	Average duty in pounds raised one foot high per 100 pounds of coal, calculated on total fuel used for all purposes, no deductions.
December, 1900										
January, 1901										
February, "	22	366 10	704,617	32.1	196,700	156,424,974	795	1,5 6	190.72	126,492,280
March, "	26	405 10	746,524	30.7	203,875	165,728,328	813	1,548	190.46	129,122,702
April, "	26	414 55	713,085	28.6	191,750	158,304,870	826	1,564	189.32	130,358,125
May, "	1	11 15	21,516	31.9	5,200	4,776,552	919	1,738	189.13	144,889,747
June, "										
July, "										
August, "										
September, "										
October, "	10	179 40	346,415	32.1	93,775	76,904,130	820	1,554	189.49	129,602,968
November, "	26	435 55	830,935	31.8	226,950	184,467,570	813	1,544	189.89	128,723,543
Totals and Avgs.	111	1,813 05	3,363,092	30.9	918,250	746,606,424	813	1,544	189.90	128,772,107

The duty is based on total fuel used for all purposes. This includes banking fires, starting, heating building, running shop engine during day and electric light engine at night. No deduction for ashes, moisture in coal or anything else.

TABLE B.

Location and Size of Cast Iron Main Pipe Laid in 1901.

Location.	24 in.	16 in.	8 in.	6 in.	4 in.
Adams st., from 539 feet west of County st. west				52	
Bay st., from 103 feet east of Cottage st. east				53	
Belleville rd., from 1,365 feet east of Acushnet ave. east				48	
Bowditch st., from Tallman st. to 101 feet south of Deane st.				628	
Bowditch st., from 907 feet north of Coffin ave. to Hathaway ave.				240	
Brock ave., from 2539 feet south of Butler st. to 6 feet north of Marine ave.			1,584		
Bullard st., from 574 feet west of Acushnet ave. to Bowditch st.				37	
Bullard st., from 127 feet east of Acushnet ave, to Front st.				185	
Bullock st., from 2 feet south of Trinity to Austin st.				278	
Cedar Grove st., from Purchase to State st.		307			
Cedar Grove st., from 334 feet west of County to Reynolds st.				71	
Collette st., from 6 feet west to 4 feet east of Bowditch st.				60	
Crapo st., from 14 feet south of Thompson to Rivet st.				265	
Crapo st., from Mosher to Independence st.				671	
David st., from Brock ave. west.				310	
Davis st., from 6 feet west to 4 feet east of Bowditch st.				60	
Davis st., from Church st. east				395	
Front st., from Davis st. to Phillips ave.				454	
Front st., from 192 feet north of Blackmer st. north			55		
Hathaway ave., from 458 feet west of Acushnet ave. to Bowditch st.				34	
Hathaway ave., from 310 feet east of Church st. east				21	
Holly st., from Bowditch st. east				36	
Jean st., from Sawyer st. south					449
Jenney Lind st., from Kempton st. north				480	

TABLE B.

Location and Size of Cast Iron Main Pipe Laid in 1901.

Location.	24 in.	16 in.	8 in.	6 in.	4 in.
Katharine st., from 879 feet west of County to Crapo st.				17	
Kempton st., from Chepatchet to Jenney Lind st.			259		
Kenyon st., from Front st. west				528	
Lombard st., from 211 feet south of Rockland st. south					151
Merrimac st., from Chestnut to Cottage st.			261		
Middle st., from 74 feet east of Rounds to Florence st.				176	
Myrtle st., from Clark st. north				306	
Nye st., from Bowditch st. east				35	
Palmer st., from Elm st. south				210	
Perry st., from Acushnet ave. east				321	
Phillips ave., from 200 feet west to 4 feet east of Bowditch st.				254	
Phillips ave., from Acushnet ave. east				208	
Phillips ave., from Front st. east				301	
Purchase st., from Coggeshall to Cedar Grove st.	611				
Purchase st., from Cedar Grove to Weld st.		920			
Reynolds st., from Cedar Grove st. south				22	
Sawyer st., inverted siphon opposite Soule Mill			45		
Shawmut ave., from 363 feet north of Grand st. to Topham st.			311		
South st., from 194 feet west of County to 147 feet east of Crapo st.				391	
Studley st., from Ashland st. east				121	
Summer st., from Pope to Merrimac st.			617		
Topham st., from Shawmut ave. east				674	
Warren st., from 153 feet west of Brock ave. west				120	
Winsor st., from 864 feet west of County to Crapo st.				90	
Totals,	611	1,227	3,132	8,152	600

Cast Iron Pipe Removed in 1901.

Location.	10 in.	8 in.	6 in.
Bridge st., from 206 feet east of Front st. east			121
Cedar Grove st., from Purchase to State st.	306		
Front st., from Bridge st. north			51
Purchase st., from Coggeshall to Cedar Grove st.			613
Purchase st., from Engine House lot to Weld st.	1,135		
Sawyer st., from siphon opposite Soule Mill east		27	49
Totals,	1,441	27	834

SUMMARY.

Pipe Laid and Removed.

	36 inch.	30 inch.	24 inch.	20 inch.	16 inch.	12 inch.	10 inch.	8 inch.	6 inch.	4 inch.
Previous to 1901,	21,532	6,657	6,918	11,290	28,389	19,763	38,016	106,820	166,325	83,870
Laid in 1901.			611		1,227			3,132	8,152	600
Total laid,	21,532	6,657	7,529	11,290	29,616	19,763	38,016	109,952	174,477	84,470
Removed in 1901.							1,441	27	834	
Total now in use.	21,532	6,657	7,529	11,290	29,616	19,763	36,575	109,925	173,643	84,470

Total length laid in 1901,	13,722 feet, or 2.5989 miles.
Total length removed in 1901,	2,302 feet, or 0.4360 miles.
Total length of pipe in use Dec. 1, 1901,	489,580 feet, or 94.8864 miles.

TABLE C.

Location and Size of Small Sized Distribution Pipe Laid in 1901.

Winter st., from 85 ft. south of Allen st. south, 26 ft., 2 in. cast iron.

Laid previous to 1901,	6,319 feet.
Laid during 1901,	26 feet.
Total length in use Dec. 1st, 1901,	6,345 feet, or 1.2017 miles.

TABLE D.

Location and Size of Stop Gates Set in 1901.

LOCATION.	24 in.	16 in.	8 in.	6 in	4 in.
Bowditch st., south side Nye st.				1	
Bowditch st., north side Davis st.				1	
Brock ave., at hydrant northwest cor. Marine ave.				1	
Brock ave., north side Marine ave.					1
Bullock st., north side Austin st.				1	
Cedar Grove st., east side State st.		1			
Cedar Grove st., at hydrant northwest cor. Purchase				1	
Crapo st., north side Rivet st.				1	
Crapo st., south side Winsor st.				1	
David st., west side Brock ave.				1	
Davis st., east side Church st.				1	
Front st., south side Davis st.				1	
Jean st., south side Sawyer st.					1
Jenney Lind st., north side Kempton st.				1	
Kempton st., at hydrant head of Jenney Lind st.				1	
Kenyon st., west side Front st.				1	
Locust st., east side Cottage st.			1		
Merrimac st., east side Cottage st.			1		
Perry st., east side Acushnet ave.				1	
Phillips ave., east side Front st.				1	
Phillips ave., east side Acushnet ave.				1	
Purchase st., south side Cedar Grove st.		1			
Purchase st., at hydrant, foot of Clark st.					1
Purchase st , west side, at Coggeshall st., on pipe to Engine house lot		1			
Purchase st., north side Coggeshall st.	1				
Reynolds st., south side Cedar Grove st.				1	
Sawyer st., (No. side) east of Mitchell st., 683 feet			1		
Sawyer st., (No. side) east of Mitchell st., 675 feet				1	
Sawyer st., (So. side) east of Mitchell st., 683 feet			1		
Studley st., east side Ashland st.				1	
Summer st., north side Locust st.			1		
Topham st., east side Shawmut ave.				1	
Wilson st., north side Austin st.				1	
Wing st., west side Fourth st.			1		
Totals	1	3	6	21	3

Stop Gates Removed in 1901.

	16 in.	10 in.	6 in.	4 in.
Bridge st., east of Front st., 321 feet				1
Cedar Grove st., west side Purchase st.		1		
Cedar Grove st., east side State st.		1		
Purchase st., south side Penniman st.		1		
Purchase st., south side Coggeshall st.			1	
Purchase st., north side Cedar Grove st.			1	
Purchase st., north side Coggeshall st.	1			
Totals	1	3	2	1

Number of stop gates set in 1901,	34
Number removed,	7
To be added,	27
Number in use at date of last report,	1,065
Number in use Dec. 1st, 1901,	1,092

TABLE E.

Small Sized Stop Gates Set in 1901.

Location.	2 in.
Blackmer street, at water cart hydrant, northeast corner Water street,	1

Removed.

Water street, at water cart hydrant, southwest cor. Blackmer street,	1	2-in.

Number set in 1901,	1
Number removed,	1
Number in use at date of last report,	80
Number in use Dec. 1st, 1901,	80

TABLE F.

Waste Gates Set in 1901.

Location.	6 in.
Purchase street, at Coggeshall street, from 16 inch pipe to Engine House lot,	1
Purchase street, at Cedar Grove street,	1
Total,	2

Number set in 1901,	2
Number in use at date of last report,	95
Number in use Dec. 1st, 1901,	97

TABLE G.

Private Stop Gates Set in 1901.

Location.	8 in.	6 in.	4 in.	3 in.	2 in.
Adams street, at Snell & Simpson's Bakery,					1
Bedford street, at Morse Twist Drill & Machine Co.,		1			
Bridge street, at Union Street Railway Co. Power Station,				2	
Brock avenue, at Fort Rodman,		1			
Coggeshall street, at schoolhouse,			1		
County street, at Allen Street M. E. church,					1
Front street, at Wamsutta Mill,		1			
Middle street, on pipe to Union Street Railway Co. Power Station,			1		
Myrtle street, at Cornell Stocking Co.,		1			1
Sawyer street, at Soule Mill,	1				
Second street, at schoolhouse,			1		
Wing street, at Morse Twist Drill & Machine Co.,		1			
Totals,	1	5	3	2	3

Removed.

Location.	4 in.	2 in.	1½ in.
Bedford street, at Morse Twist Drill & Machine Co.,	1		
Brock ave., at U. S. Government Reservation,		3	1
Totals.	1	3	1

Number set in 1901,	14
Number removed,	5
To be added,	9
Number in use at date of last report,	207
Number in use Dec. 1st, 1901,	216

TABLE H.

Location of Air Taps Set in 1901.

Location.	¾ in.	⅝ in.
Cedar Grove st., southeast cor. State st.	1	
Morgan st., south side, west of County, 137 feet		1
Peckham st., east side Mt. Pleasant st.	1	
Purchase st., southwest cor. Cedar Grove st.	1	
Purchase st., north side Coggeshall st.	1	
Totals	4	1

Number set in 1901,	5
Number in use at date of last report,	44
Number in use, Dec. 1st, 1901,	49

TABLE I.

Location of Hydrants Set in 1901.

Belleville road, south side 1,392 feet east of Acushnet ave.
Bowditch street, southwest corner of Hathaway ave.
Brock ave., northwest corner Marine ave.
David street, south side, 289 feet west of Brock ave.
Davis street, south side, 362 feet east of Church st.
Fourth street, west side, 211 feet south of Madison street.
Front street, southwest corner Rivet street.
Hathaway ave., south side, 331 feet east of Church street.
Jenney Lind street, southwest corner Hillman street.
Kempton street, south side, opposite Jenney Lind street.
Kenyon street, south side, 509 feet west of Front street.
Lombard street, west side, 107 feet north of Thompson street.
Myrtle street, west side, north of Penniman street.
Palmer street, west side, 195 feet south of Elm street.
Perry street, south side, 270 feet east of Acushnet ave.
Phillips ave., south side, 173 feet east of Acushnet ave.
Phillips ave., south side, 21 feet east of Oneko lane.
Reynolds street, southwest corner Cedar Grove street.
Sawyer street, south side, 690 feet east of Mitchell street.
Shawmut ave., west side, opposite Topham street.
South street, south side, 357 feet east of Crapo street.
Summer street, southwest corner Locust street.
Topham street, south side 647 feet east of Shawmut ave.
Wing street, southwest corner Fourth street.
Winsor street, southeast corner Crapo street.

REMOVED.

Belleville road, south side, 1,344 feet east of Acushnet ave. Post.
Bowditch street, west side, 175 feet north of Davis street. Post.
Bridge ave., north side, 44 feet west of draw. Flush.
Bridge ave., south side, 11 feet west of draw. Flush.
Cedar Grove street, south side, 184 feet west of County street. Post.
Fourth street, west side south of Madison street. Flush.
Front street, west side, north of Blackmer street. Post.
Hathaway ave., southeast corner Bowditch street. Post.

Hathaway avenue, south side 309 feet east of Church street. Post.
Lombard street, west side 209 feet south of Rockland street. Post.
South street, south side 137 feet east of Crapo street. Post.
Wing street, southwest corner Fourth street. Flush.
Winsor street, south side 77 feet east of Crapo street. Post.

Number set during 1901,	25
Number removed during 1901,	13
Number to be added,	12
Number in use at date of last report,	738
Number in use Dec. 1st, 1901,	750

TABLE J.

Watering Cart Hydrants Set in 1901

Blackmer street, northeast corner Water street.

Removed.

Water street, southwest corner Blackmer street.

Number set in 1901,	1
Number removed in 1901,	1
To be added,	0
Number in use at date of last report,	51
Number in use Dec. 1st, 1901,	51

TABLE K.

Statement of Work Done by the Service Department for the Year Ending December 1, 1901.

Kind and Size.	Number of Services.	Length on Taker.	Length on City.
Lead pipe, ½ inch heavy,	28	372.5	576
Lead pipe, ⅝ inch heavy,	79	1047.0	1922.2
Lead Pipe, ⅝ inch light,	38	477.0	770.5
Lead pipe, ¾ inch heavy,	2	17.5	32
Lead pipe, ¾ inch light,	39	623	838
Cast iron pipe, 2 inch,	2	72	
Cast iron pipe, 3 inch,	1	85	
Cast iron pipe, 4 inch,	2	187	
Cast iron pipe, 6 inch,	3	100	
Cast iron pipe, 8 inch,	1	13	
Totals,	195	2994.0	4138.7

One 4 inch cast iron service has been removed and replaced by 6 inch iron.

One 1 inch wrought iron service has been removed and replaced by 1 inch light lead.

One ⅝ inch iron service has been removed and replaced by ¾ inch light lead.

One ¾ inch light lead service has been removed and replaced by 2 inch cast iron.

One ⅝ inch iron service has been removed and replaced by ⅝ inch light lead.

One ½ inch heavy lead service has been removed and replaced by ⅝ inch heavy lead.

Seven connections to services previously laid have been made by owners.

Two connections have been made by the City, using 6.5 feet of $\frac{5}{8}$ inch heavy and 11.5 feet of $\frac{5}{8}$ inch light lead pipe.

Three extensions to services have been made by the City, using 57 feet of 2 inch iron, 20 feet of $\frac{3}{4}$ inch light lead and 24 feet of $\frac{3}{4}$ inch heavy lead pipe.

One 3 inch cast iron, one 2 inch wrought iron, one $\frac{5}{8}$ inch wrought iron, one $1\frac{1}{4}$ inch heavy, one 1 inch heavy, five $\frac{3}{4}$ inch heavy, eleven $\frac{5}{8}$ inch heavy, three $\frac{5}{8}$ inch light and four $\frac{1}{2}$ inch heavy lead services have been removed.

Length of service pipe laid during the year, 7132.7 feet, or 1,3509 miles.

Total number of services in use December 1st, 1901, 9447.

TABLE L.

Air Taps in Use December 1, 1901.

Location.	Size.
Ashland street, southeast corner Linden	¾ inch
Bridge, in gate box west side Pope's Island	⅝ "
Cedar street, west side, north of Maitland	1 "
Cedar Grove street, southeast corner State	¾ "
County street, west side, north of Locust	¾ "
County street, southwest corner Hillman	¾ "
County street, west side, north of Kempton	¾ "
County street, southwest corner Morgan	¾ "
County street, west side, head of Spring	1 "
County street, west side, south of Bedford	1 "
Dean street, southwest corner Purchase	¾ "
Durfee street, south side, west of Cottage	1 "
Elm street, south side, east of County	¾ "
Grant street, south side, east of Mt. Pleasant st., 366 feet	1 "
Hillman street, south side, east of County	¾ "
Kempton street, south side, east of County	¾ "
Middle street, south side, east of County	¾ "
Morgan street, south side, west of County st., 137 feet	⅝ "
Mt. Pleasant street, west side, north of King's Highway	1 "
Mt. Pleasant street, west side, north of Nash road	1 "
Mt. Pleasant street, north side gate box No. 40, south of Peckham street	¾ "
Mt. Pleasant street, south side gate box No. 40, south of Peckham street	¾ "
Mt. Pleasant street, east side gate box No. 41	⅝ "
Mt. Pleasant street, south side gate box No. 42, south of Peckham street	¾ "
Mt. Pleasant street, north side Durfee, in 30 inch gate box	¾ "
Mt. Pleasant street, north side Durfee, in 24 inch gate box	¾ "
North street, south side, east of County	¾ "
Peckham street, east side Mt. Pleasant, in 16 inch gate box, No. 31	¾ "
Plainville road, south side, east of Shawmut ave., 3,744 feet	1 "

Plainville road, south side, east of Shawmut ave., 5,734 feet	1	inch.
Pleasant street, west side, north of Maxfield	1	"
Pleasant street, west side, south of Hillman	1	"
Pleasant street, west side, north of Kempton	1	"
Pleasant street, west side, south of Kempton	1	"
Purchase ave., in gate box west side Purchase street	1	"
Purchase street, north side Coggeshall st., in 24 inch gate box	¾	"
Purchase street, southwest corner Cedar Grove street	¾	"
Purchase street, south side Merrimac 2	¾	"
Sixth street, west side, north of Spring	1	"
Sixth street, west side, south of Walnut	1	"
Sixth street, west side, south of Bedford	1	"
State street, west side, north of Austin	1	"
State street, west side, north of Franklin	1	"
Union street, south side, east of County	1	"
William street, south side, east of County	¾	"
Woodlawn street, south side, 377 feet west of Brock ave.	⅝	"
At High Hill reservoir, east side	1	"
At High Hill reservoir, south side	1	"
Total number in use	49	

TABLE M.

Watering Cart Hydrants.

Acushnet avenue, west side, 4.5 feet north from north line Belleville road.
Acushnet avenue, west side, 13.5 feet north from north line Howard avenue.
Acushnet avenue, west side, 11.9 feet south from south line Tarklin Hill road.
Acushnet avenue, west side, 3,741.2 feet north from north line Tarklin Hill road.
Allen street, north side, 154 feet east of Page.
Arnold street, south side, opposite Arnold Place.
Bedford street, south side, 86 feet west of Fourth.
Blackmer street, northeast corner Water st.
Bonney street, southwest corner of Grinnell.
Butler street, south side, 13 feet east of Brock avenue.
Campbell street, south side, 87 feet west of Purchase.
Campbell street, south side, 19 feet west of Cottage.
Cedar Grove street, south side, 63 feet east of Acushnet avenue.
Coffin avenue, south side, 16.5 feet west of Acushnet avenue.
Commercial street, south side, 20.2 feet east of Water.
County street, west side, 32.2 feet north of Allen.
Court street, north side, 15 feet east of Ash.
Cove road, southwest corner West French avenue.
Dartmouth street, east side, 13 feet south of Oak.
Elm street, south side, 57.4 feet west of Purchase.
First street, west side, 118 feet south of School.
First street, west side, 28 feet south of Grinnell.
Grinnell street, south side, 31 feet east of County.
Hawthorne street, south side, 17 feet east of Cottage.
Hawthorne street, head of Tremont.
Hazard street, south side, 21 feet west of Purchase.
Kempton street, south side, 72 feet west of County.
Kempton street, south side, 102 feet east of Newton.
Kempton street, southwest corner of Rockdale avenue.
Linden street, south side, 30 feet west of Purchase.
Locust street, south side, 25 feet west of County.

Madison street, south side, 17 feet east of Fourth.
Madison street, south side, 39 feet west of County.
Maxfield street, south side, 84 feet west of State.
Mill street, southwest corner of Purchase.
Mt. Pleasant street, west side, 39 feet south of Tarklin Hill road.
Mt. Pleasant street, west side, 344 feet north of Nash road.
Mt. Vernon street, south side, 14 feet west of Mt. Pleasant.
Plainville road, south side, 1,146 feet east of Shawmut avenue.
Poplar road, north side, 32 feet west of Bolton road.
Reynolds street, west side, 8 feet north of Linden.
Robeson street, south side, 38 feet west of Cedar.
Sawyer street, north side, 419.8 feet east of Mitchell.
Smith street, south side, 53 feet east of Park.
Spring street, north side, 45.2 feet east of Seventh.
Summer street, west side, 4 feet north of Hillman.
Sycamore street, south side, 77 feet west of County.
Thompson street, south side, 40.4 feet east of Crapo.
Union street, south side, 65 feet west of County.
William street, south side, 27 feet east of Second.
Willis street, south side, 7.5 feet east of Acushnet avenue.

Number now in use, 51.

TABLE N.

Location of Hydrants.

Abbott street, northwest corner Ruth avenue.....
Acushnet av, west side, north of Tarkiln Hill road, 3743.2 feet.
Acushnet av, west side, north of Tarkiln Hill road, 2986.7 feet.
Acushnet av, west side, north of Tarkiln Hill road, 2392.7 feet.
Acushnet av, west side, north of Tarkiln Hill road, 1783.3 feet.
Acushnet av, west side, north of Tarkiln Hill road, 1195.3 feet.
Acushnet av, west side, north of Tarkiln Hill road, 542 feet....
Acushnet av, southwest corner Tarkiln Hill road .....
Acushnet av, west side, south of Tarkiln Hill road, 500 feet ...
Acushnet av, west side, south of Tarkiln Hill road, 997 feet ...
Acushnet av, west side, north of Howard avenue, 600 feet.....
Acushnet av, west side, north of Howard avenue, 6 feet.....
Acushnet av, west side, south of Howard avenue, 601 feet.....
Acushnet av, west side, north of Shaw, 610 feet.....
Acushnet av, northwest corner of Shaw.....
Acushnet av, west side, north of Belleville road, 603.5 feet ....
Acushnet av, west side, head of Belleville road.....
Acushnet av, northwest corner of Nash road.....
Acushnet av, northwest corner Hathaway avenue.....
Acushnet av, northwest corner of Davis.....
Acushnet av, southwest corner of Phillips avenue.....
Acushnet av, southwest corner of Dean .....
Acushnet av, west side, north of Sawyer, 574.5 feet.....
Acushnet av, southwest corner of Coggeshall... .....
Acushnet av, southwest corner of Cedar Grove.....
Acushnet av, northwest corner of Logan .....
Acushnet av, west side, south of Logan, 335 feet.....
Acushnet av, west side, north of Wamsutta, 514 feet.....
Acushnet av, west side, north of Wamsutta, 372 feet..... ...
Acushnet av, west side, south of Wamsutta, 255 feet. Flush..
Acushnet av, west side, at end of Wall street.....
Acushnet av, southeast corner of Pope. Flush.....
Acushnet av, west side, south of Campbell, 179 feet. Flush...
Acushnet av, northwest corner of Maxfield. Flush.....
Acushnet av, northwest corner of Kempton. Flush..... ..
Acushnet av, northeast corner of Elm. Flush.....
Acushnet av, northwest corner of William.....
Acushnet av, northwest corner of School..... .....
Acushnet av, northwest corner of Madison .....
Acushnet av, northwest corner of Russell .....
Acushnet av, northwest corner of Bedford.....

Acushnet av, west side, opposite Howland. Flush .....
Acushnet av, northwest corner of Potomska.....
Acushnet av, west side, north of Rivet, 98 feet .....
Acushnet av, southwest corner of Blackmer. Flush.....
Adams street, south side, west of County, 538.3 feet.....
Allen street, south side, west of Rural, 445 feet.....
Allen street, southeast corner of Devoll.....
Allen street, southwest corner of Page .....
Allen street, north side, east of Page, 159 feet. Flush .....
Allen street, northwest corner of Ward. Flush .....
Arch street, southwest corner of Union. Flush .....
Armour street, southwest corner of Union .. ..
Arnold place, west side, south of Rotch court, 38 3 feet.....
Arnold street, south side, west of Orchard, 96 feet .....
Arnold street, southwest corner of Chancery. Flush .....
Arnold street, southeast corner of Atlantic. Flush.....
Arnold street, south side, west of James, 15.3 feet.....
Ash street, northwest corner of Middle .. ..
Ash street, southwest corner of Morgan.....
Ash street, northwest corner of Arnold. Flush.....
Ash street, northwest corner of Maple. Flush .....
Ash street, northwest corner of Bedford .. ..
Ashland street, southwest corner of Clark.....
Ashley street, west side, south of Cove (west), 222.2 feet.....
Atlantic street, northwest corner of Maple..... .....
Atlantic street, southwest corner of Union.....
Austin street, southwest corner of Purchase.....
Austin street, southeast corner of State... ....
Austin street, southwest corner of Ashland.....
Austin street, southeast corner of Cedar.....
Austin street, south side, on west line of Wilson .....
Austin street, southeast corner of Shawmut avenue.....
Austin street, south side, west of Shawmut avenue, 108 feet...
Babbitt street, south side, west of Dartmouth, 207.5 feet.....
Babbitt street, southeast corner of Field.....
Bedford street, southwest corner of Fourth.....
Bedford street, southwest corner of Fifth .....
Bedford street, southwest corner of County.....
Bedford street, southwest corner of Orchard.....
Beech street, northwest corner of Kempton .....
Beetle street, southwest corner of Howard..... .....
Beetle street, southeast corner of Front.....
Belleville avenue, southwest corner of Washburn.....
Belleville avenue, west side, north of Washburn, 118 feet.....

Belleville avenue, northwest corner of Cedar Grove.....
Belleville avenue, west side, north of Coggeshall, 134 feet.....
Belleville avenue, northwest corner of Beetle.....
Belleville avenue, southwest corner of Plummer avenue.....
Belleville road, southwest corner of Diman.....
Belleville road, south side, east of Acushnet avenue, 1392 feet.
Blackmer street, south side, east of Front, 284 feet .....
Blackmer street, south side, east of Front, 575 feet. .....
Blackmer street, south side, east of Front, 738 feet.....
Blackmer street, south side, east of Front, 904 feet.....
Bolton road, west side, north of Rivet, 370 feet.....
Bolton road, west side, north of Rotch Mill No. 2.....
Bolton road, west side, south of Rotch Mill No. 2.....
Bolton road, west side, south of Rivet, 1027 feet.....
Bolton road, northwest corner of Poplar road.....
Bonney street, southwest corner of Allen.....
Bonney street, northwest corner of Grinnell.....
Bonney street, northwest corner of Rockland.....
Bonney street, southwest corner of Thompson .....
Borden street, northwest corner of Bedford .....
Borden street, southwest corner of Bay.....
Bowditch street, southwest corner of Weld.....
Bowditch street, west side, south of Cedar Grove, 313 feet.....
Bowditch street, west side, north of Cedar Grove, 244 feet.....
Bowditch street, northwest corner of Coggeshall .....
Bowditch street, southwest corner of Dean.....
Bowditch street, southwest corner of Coffin avenue.....
Bowditch street, west side, north of Coffin avenue, 358 feet....
Bowditch street, southwest corner of Davis.....
Bowditch street, southwest corner Hathaway avenue.....
Bridge avenue, north side, east from west line of Popes Island Manufacturing Co. building, 483.4 feet. Flush.....
Bridge avenue, north side, east from west line of Popes Island Manufacturing Co. building, 215.7 feet. Flush.....
Bridge avenue, south side, west from west line of Popes Island Manufacturing Co. building, 24.6 feet. Flush.....
Brock avenue, southwest corner of David .....
Brock avenue, southwest corner of Woodlawn avenue. .....
Brock avenue, southwest corner of Willard .....
Brock avenue, southwest corner, first street south Norman ...
Brock avenue, west side, south of Butler, 1063 feet.....
Brock avenue, west side, south of Butler, 2538.1 feet .....
Brock avenue, northwest corner Marine avenue.....
Brownell street, west side, south of Union, 387 feet.....

Bullard street, southwest corner of Belleville avenue.....
Bullard street, southeast corner of Front .....
Bullard street, southeast corner of Bowditch.....
Bullock street, southwest corner of Trinity.....
Butler street, south side, east from Brock av., 1635 feet. Flush
Butler street, south side, east of Brock avenue, 287 feet. Flush
Campbell street, southwest corner of Purchase.....
Campbell street, south side, east of County, 163 feet. Flush..
Campbell street, south side, west of County, 216.5 feet.....
Campbell street, southwest corner of Cottage.....
Campbell street, south side, east of Shawmut av. 205 ft. Flush
Cannon street, south side, east of Second, 164 feet.....
Cedar street, northwest corner of Elm.....
Cedar street, southwest corner of Kempton. Flush.....
Cedar street, west side, north of Mill, 75 feet. Flush.....
Cedar street, southwest corner of Hillman. Flush .....
Cedar street, northwest corner of Sycamore. Flush.....
Cedar street, southwest corner of Campbell. Flush .....
Cedar street, southwest corner of Parker. Flush.....
Cedar Grove street, southeast corner of Front.....
Cedar Grove street, southeast corner of Howard.....
Cedar Grove street, south side, west of Bowditch, 383 feet.....
Cedar Grove street, northwest corner of Purchase.....
Cedar Grove street, southwest corner of County.....
Centre street, south side, east of Water, 85 feet. Flush.....
Chancery street, southwest corner of Maple .....
Chancery street, west side, north of Arnold, 406 feet.....
Chancery street, southwest corner of Elm.....
Chancery street, west side, south of Parker, 176 feet.....
Chancery street, west side, north of Parker, 650 feet.....
Chepatchet street, northwest corner of Court.....
Chepatchet street, west side, south of Kempton, 531 feet .....
Cherry street, southeast corner of Seventh. Flush.....
Chestnut street, southwest corner of North. Flush.....
Chestnut street, west side, north of Campbell, 96 feet.....
Chestnut street, southwest corner of Merrimac .....
Church street, southwest corner of Hathaway avenue .....
Church street, west side, north of Coffin avenue, 591.4 feet....
Clark street, southwest corner of State.....
Clark street, south side, west of County, 218 feet.....
Clay street, northwest corner of Columbia.....
Cleveland avenue, west side, south of Cove, 681 feet.....
Clinton street, south side, west of County, 224.6 feet.....
Clinton street, south side, west of Ash, 242.5 feet.....

Coffin avenue, southwest corner of Church.....
Coffin avenue, south side, opposite Oneko Lane.....
Coffin avenue, southeast corner of Front.....
Coffin avenue, southwest corner of Belleville avenue.....
Coffin avenue, northwest corner of Riverside avenue.....
Coffin avenue, south side, east of Riverside avenue, 227 feet...
Coffin avenue, north side, east of Riverside avenue, 414 feet...
Coffin street, southwest corner of Water.....
Coffin street, north side, east of Water, 262 feet.....
Coggeshall street, south side, east of Mitchell, 654 feet.....
Coggeshall street, south side, east of Mitchell, 498 feet.....
Coggeshall street, south side, east of Mitchell, 334 feet.....
Coggeshall street, north side, east of Mitchell, 148 feet.....
Coggeshall street, southeast corner of Belleville avenue.....
Coggeshall street, southwest corner of Front.....
Coggeshall street, southwest corner of Purchase.....
Coggeshall street, southeast corner of County.....
Coggeshall street, south side, west of County, 384 feet.....
Collette street, south side, east of Acushnet avenue, 275 feet ..
Collins street, southeast corner of Glover.....
Columbia street, southwest corner of Allen.....
Commercial street, north side, east of Front, 82 feet.....
Cottage road, south side, west of Bolton road, 435 feet.....
Cottage street, southwest corner of Bay.....
Cottage street, northwest corner of Allen.....
Cottage street, northwest corner of Bedford. Flush.....
Cottage street, southwest corner of Arnold.....
Cottage street, southwest corner of Union.....
Cottage street, southwest corner of Court.....
Cottage street, southwest corner of Kempton.....
Cottage street, southwest corner of Mill.....
Cottage street, southwest corner of North.....
Cottage street, southwest corner of Hillman.....
Cottage street, northwest corner of Sycamore.....
Cottage street, northwest corner of Parker.....
Cottage street, west side, north of Locust, 237 feet.....
Cottage street, west side, south of Austin, 92 feet.....
Cottage street, southwest corner of Durfee.....
County street, southwest corner of Tallman.....
County street, southwest corner of Sawyer.....
County street, southeast corner of Penniman.....
County street, west side, south of Clark, 234.5 feet.....
County street, west side, south of Weld, 115 feet.....
County street, southwest corner of Austin.....

County street, west side, head of School
County street, southwest corner of Madison
County street, southwest corner of Hawthorn.
County street, northwest corner of Allen
County street, southwest corner of Grinnell
County street, northwest corner of South
County street, northwest corner of Winsor
County street, west side, north of Division, 71 feet.
County street, northwest corner of Cove road
Court street, southwest corner of Orchard
Court street, southeast corner of Cedar
Court street, northeast corner of Ash
Court street, southwest corner of Emerson
Court street, south side, west from Park, 304 feet. Flush.
Court street, south side, head of Jenney
Court street, south side, east of Reed, 300 feet
Cove road, southwest corner of West French avenue
Cove road, southwest corner of Shore street
Cove road, north side, west of County, 365 feet.
Cove street, southwest corner of Cleveland avenue
Cove street, southwest corner of Harrison avenue
Cove street, southwest corner of Salisbury
Cove street, southwest corner of Viall
Cove street, southwest corner of McGurk
Cove street, southwest corner of West French avenue
Cove street, southeast corner of Stapleton
Cove street, southeast corner of County
Crapo street, west side, south of Washington, 343 feet. Flush
Crapo street, west side, south of Rockland, 225 feet. Flush.
Crapo street, west side, south of Thompson, 160 feet
Dartmouth street, east side, southwest of Orchard, 110 feet
Dartmouth street, east side, south of Hickory, 125 feet
Dartmouth street, east side, south of Rockland, 260 feet.
Dartmouth street, east side, south of Thompson, 99 feet.
Dartmouth street, southeast corner of Larch
Dartmouth street, northeast corner of Dunbar
David street, south side, west of Brock avenue, 289 feet.
Davis street, southwest corner of Riverside avenue
Davis street, south side, east of Front, 321.8 feet
Davis street, southwest corner of Front
Davis street, south side, east of Church, 362 feet
Dean street, southwest corner of Belleville avenue
Dean street, southeast corner of Front

Delano street, southwest corner of Water.....
Delano street, southeast corner of Acushnet avenue.....
Diman street, southwest corner of Whitman.....
Diman street, west side, south of Whitman, 149 feet.....
Division street, southeast corner of Second.....
Division street, south side, west of County, 527 feet.....
Division street, south side, east of Crapo, 6 feet.....
Dudley street, south side, east of West French av., 122 feet....
Dudley street, south side, west of Brock avenue, 607 feet.....
Dunbar street, southwest corner of Hemlock .....
Durfee street, southwest corner of Cedar.....
Durfee street, southwest corner of Bullock .....
Durfee street, southwest corner of Shawmut avenue .....
Durfee street, south side, west of Shawmut avenue, 186.6 feet.
Earle street, south side, west of Belleville avenue, 135 feet....
Earle street, south side, east of Acushnet avenue, 274.2 feet...
East French avenue, west side, south of Cove, 807.2 feet.....
East French avenue, northwest corner of Abbott .....
Edward street, south side, east of Field, 90 feet.....
Edward street, south side, west of Dartmouth street, 157 feet..
Elm street, southwest corner of Purchase.....
Elm street, southwest corner of Pleasant.....
Elm street, southwest corner of Eighth... .....
Elm street, southwest corner of Summer. Flush.....
Elm street, southwest corner of Florence.....
Elm street, southeast corner of Palmer..... .....
Emerson street, west side, north of Arnold, 173.8 feet.....
Field street, northwest corner of Stowell.....
Fifth street, southwest corner of Union .....
Fifth street, southwest corner of School..... .....
Fifth street, west side, south of Madison, 245 feet. Flush ....
Fifth street, northwest corner of Wing.....
Fifth street, northwest corner of Grinnell.....
First street, southwest corner of Spring. Flush.... .....
First street, west side, south of School, 109 feet. Flush .....
First street, west side, south of Howland, 185 feet. Flush....
First street, northwest corner of Potomska.....
Florence street, southwest corner of Hillman.....
Florence street, northwest corner of Mill.....
Florence street, west side, south of Kempton, 199.6 feet.....
Florence street, southwest corner of Morgan.....
Forest street, south side, west of County, 90 feet. Flush.....
Foster street, southwest corner of High.....
Fourth street, southwest corner of Union. Flush .....

Fourth street, west side, north of School, 106 feet. Flush....
Fourth street, west side, south of Madison, 210 feet.....
Fourth street, east side, opposite Washington .....
Fourth street, northwest corner of Rockland. Flush.....
Fourth street, west side, south of Potomska, 61 feet .....
Franklin street, southwest corner of Purchase.....
Franklin street, southwest corner of Pleasant. Flush... ....
Franklin street, southwest corner of State.....
Front street, southwest corner of Holly.....
Front street, west side, south of Washburn, 319 feet. Flush..
Front street, southwest corner of Logan.....
Front street, west side, south of Logan, 190.2 feet .....
Front street, west side, south of Logan, 383 feet.....
Front street, west side, north of Wamsutta, 235.2 feet... .....
Front street, southeast corner of Wamsutta.....
Front street, east side, foot of Middle. Flush..... ....
Front street, southwest corner of Middle.....
Front street, southwest corner of Hazard's lane. Flush .....
Front street, northwest corner of Rodman.....
Front street, southwest corner of Center. Flush.....
Front street, west side, south of Commercial, 86 feet. Flush..
Front street, northwest corner of lane head of Merrill's wharf. Flush.
Front street, west side, south of Howland, 268 feet..... .....
Front street, southwest corner of Grinnell..... .....
Front street, west side, south of South, 330 feet ... ...
Front street, southwest corner Rivet street.....
Front street, west side, north of Delano, 191 feet .....
Front street, west side, south of Delano, 200 feet.....
Fruit street, south side, east of Hemlock, 126.5 feet..... ...
Fruit street, south side, west of Mulberry, 25.5 feet.....
Gifford street, south side, east of Water, 274 feet .. ..
Gifford street, south side, west of Harbor, 167.8 feet.....
Gifford street, southeast corner of Harbor.....
Gifford street, south side, east of Harbor, 299.3 feet... .....
Grand street, south side, west of Shawmut avenue, 750 feet....
Granfield street, west side, north of Coggeshall, 263 feet.....
Grape street, south side, west of Lewis, 131 feet.....
Grape street, southwest corner of Small.....
Grape street, southwest corner of Devoll.....
Griffin street, southwest corner of Second. Flush.....
Grinnell street, south side, west of Acushnet av., 76 ft. Flush
Grinnell street, south side, east of Crapo, 103 feet. Flush....
Grinnell street, southwest corner of Orchard .....

Grove street, southwest corner of Anthony....
Grove street, southwest corner of Cottage
Harbor street, east side, north of Cove, 195 feet
Harbor street, east side, north of Cove, 372 feet
Harbor street, east side, north of Cove, 540 feet
Harbor street, east side, south of Gifford, 195.8 feet
Harmony street, southwest corner of Social
Harrison street, southwest corner of Hickory
Hathaway avenue, south side, east of Acushnet av., 144 feet...
Hathaway avenue, south side east of Church st., 331 feet
Hawthorn street, southwest corner of Cottage
Hawthorn street, southeast corner of Page. Flush
Hawthorn street, south side, east of Tremont, 147 feet
Hawthorn street, southwest corner of Brigham
Hawthorn street, south side, west of Brigham, 301 feet
Hazard street, south side, west of State, 140 feet. Flush
Hazard street, southwest corner of Pleasant. Flush
Hazard street, southwest corner of Purchase
Hemlock street, west side, south of Rockland, 231 feet
Hicks street, south side, east of Acushnet avenue, 276 feet....
High street, south side, east of Acushnet av., 43 feet. Flush..
High street, southwest corner of Purchase
High street, south side, east of County, 177 feet. Flush
Highland street, west side, north of Durfee, 418.4 feet
Hillman street, southwest corner of Second. Flush
Hillman street, southwest corner of Purchase
Hillman street, southwest corner of Pleasant
Hillman street, head of State
Hillman street, head of Thomas
Hillman street, southwest corner of Chancery
Hillman street, south side, east of Florence, 609.5 feet
Hillman street, southwest corner of Lindsey
Hillman street, southeast corner of Rockdale avenue
Holly street, southwest corner of Belleville avenue
Holly street, southwest corner of Bowditch
Holly street, southeast corner of Brook
Hollyhock street, south side, east of Field, 410 feet
Homer street, southwest corner of Locust
Howard avenue, south side, east of Acushnet avenue, 364 feet.
Howland street, northeast corner of Second. Flush
Howland street, south side, west of Prospect, 19.2 feet
Hunter street, southwest corner of Hillman
Independent street, south side, west of County, 480 feet.
Independent street, southeast corner of Crapo

Irving court, north end of Court. Flush.....
James street, west side, north of Arnold, 107 feet.....
James street, southwest corner of Court.....
Jenney Lind street, southwest corner Hillman.....
Jouvette street, south side, west of County, 372 feet.....
Katharine street, southeast corner of Crapo .....
Katharine street, south side, west of County, 442 feet.....
Keene street, south side, west of Park, 434 feet.....
Kempton street, southwest corner of Purchase .....
Kempton street, southwest corner of Pleasant.....
Kempton street, south side, opposite Hill .....
Kempton street, southwest corner of County .....
Kempton street, southwest corner of Summer.....
Kempton street, southwest corner of Emerson. Flush.....
Kempton street, southwest corner of Park.....
Kempton street, southwest corner of Liberty.....
Kempton street, southeast corner of Jenney. Flush.....
Kempton street, south side, west of Hunter, 50 feet.....
Kempton street, southwest corner of Rockdale avenue.....
Kempton street, southeast corner of Chepatchet. .....
Kempton street, south side opposite Jenney Lind street.....
Kenyon street, south side west of Front street, 509 feet.....
Kilburn street, north side, east of Front, 244 feet.....
Kilburn street, north side, east of Front, 581 feet. .....
Larch street, south side, east of Mulberry, 120 feet.....
Larch street, south side, east of Hemlock, 129 feet.....
Liberty street, west side, south of Kempton, 339 feet. Flush.
Liberty street, west side, north of Court, 164 feet.....
Lincoln street, west side, south of Union, 171 feet. Flush....
Linden street, southwest corner of Purchase.....
Linden street, south side, west of State, 13.5 feet.....
Linden street, south side, west of County, 169 feet.....
Linden street, south side, west of Reynolds, 67.5 feet.....
Linden street, south side, east of Ashland, 6.5 feet.....
Lindsey street, west side, south of Kempton, 173 feet.....
Lindsey street, northwest corner of Morgan.....
Locust street, southwest corner of County.....
Locust street, southwest corner of Chestnut.....
Locust street, southwest corner of Richmond.....
Logan street, south side, east of Acushnet av., 400 feet. Flush
Logan street, south side, opposite Bowditch.....
Logan street, southeast corner of Purchase.....
Lombard street, west side, north of Thompson. 107 feet.....
Lucas street, south side, west of Brock avenue, 214 feet.....

Madison street, southwest corner of First. Flush
Madison street, southwest corner of Water
Madison street, southwest corner of Sixth
Maitland street, southwest corner of Cedar
Maple street, southwest corner of Cottage
Maxfield street, southwest corner of Second
Maxfield street, southwest corner of Purchase
Maxfield street, southwest corner of Pleasant
Maxfield street, southwest corner of Foster
Maxfield street, southwest corner of County
Maxfield street, southwest corner of Chestnut
Maxfield street, southeast corner of Spruce. Flush
Maxfield street, southeast corner of Ash
Maxfield street, south side, east of Chancery, 44.4 feet
Maxfield street, south side, east of Rockdale avenue, 82 feet
McGurk street, west side, north of Brock avenue, 348 feet
Mechanics lane, northwest corner of Purchase
Mechanics lane, north side, east of Eighth, 206 feet. Flush
Merrimac street, southwest corner of Purchase
Merrimac street, southwest corner of State
Merrimac street, southwest corner of Summer
Middle street, southwest corner of Second
Middle street, southwest corner of Acushnet avenue
Middle street, southwest corner of Purchase
Middle street, southwest corner of Pleasant
Middle street, southwest corner of Sixth
Middle street, southwest corner of County
Middle street, south side, east of Cedar, 371 feet. Flush
Middle street, southeast corner of Chancery. Flush
Middle street, southwest corner of Purchase
Mill street, south side, west of Hill, 191 feet
Mill street, south side; west of Ash, 45 feet. Flush
Mill street, south side, east of Park, 104 feet
Mill street, southeast corner of Newton
Mill street, southeast corner of Summit
Milton street, south side, west of Rockdale avenue, 85 feet
Mitchell street, northwest corner of Coggeshall
Mitchell street, west side, north of Coggeshall, 178.8 feet
Mitchell street, west side, south of Sawyer, 345 feet
Mitchell street, southwest corner of Sawyer
Moorland Terrace, southwest corner of Ash
Morgan street, southwest corner of County
Morgan street, southwest corner of Cottage. Flush
Morton's court, west side, north of Cove, 385.3 feet

Mosher street, south side, west of County, 517 feet.....
Mosher street, southeast corner of Crapo.....
Mt. Pleasant street, west side, south of Tarkiln hill rd., 35 feet
Mt. Pleasant street, west side, north of Nash road, 1,671 feet..
Mt. Pleasant street, west side, north of Nash road, 348 feet....
Mt. Pleasant street, west side, north of railroad fence, 285 feet
Mt. Pleasant street, west side, south of Hathaway road, 40 feet
Mt. Pleasant street, west side, north of Peckham-West cemetery, 277 feet.....
Mt. Pleasant street, west side, south of Peckham-West cemetery, 74 feet.....
Mt. Pleasant street, west side, north of reservoir, 837 feet.....
Mt. Pleasant street, west side, north of reservoir, 450 feet.....
Mt. Pleasant street, west side, north of reservoir, 40 feet.....
Mt. Pleasant street, west side, south of Peckham, 217 feet.....
Mt. Vernon street, southwest corner of Mt. Pleasant.....
Mt. Vernon street, southeast corner of Vine. Flush.....
Mt. Vernon street, south side, east of Shawmut av., 241 feet...
Myrtle street, west side, south of Weld, 22 feet.....
Myrtle street, southwest corner of Clark .....
Myrtle street, west side, north of Clark street, 274 feet.....
Nelson street, south side, west of County, 541.6 feet .....
Newton street, northwest corner of Elm.....
North street, southeast corner of Second.....
North street, southwest corner of Acushnet avenue.....
North street, southwest corner of Purchase.....
North street, northwest corner of Pleasant.....
North street, southwest corner of Foster.....
North street, southwest corner of Hill.....
North street, southwest corner of County .....
North street, southwest corner of Emerson.....
North street, southwest corner of Park.....
North street, south side, west of Newton, 258 feet.....
North street, southwest corner of Hunter.....
North street, southwest corner of Beech.....
Nye street, southwest corner of Belleville avenue.....
Nye street, southwest corner of Front.....
Nye street, south side, west of Acushnet avenue, 311.7 feet....
Oak street, southwest corner of Harrison.....
Oak street, northwest corner of Grape.....
Oak street, southwest corner of Allen.....
Ocean street, west side, south of Arnold, 184.5 feet.....
Orchard street, southwest corner of Madison.....
Orchard street, southwest corner of Grove.....

Orchard street, west side, north of Rockland, 98 feet .....
Palmer street, northwest corner of Union .....
Palmer street, west side, south of Elm street, 195 feet.....
Park place, south side, west of Sixth, 306 feet. Flush.....
Park street, west side, south of Maxfield, 27.1 feet.....
Park street, southwest corner of Hillman.....
Park street, west side, south of Kempton, 339 feet.....
Park street, northwest corner of Court .....
Park street, west side, north of Arnold, 263 feet.....
Parker street, south side, at Oak Grove Cemetery.... .....
Parker street, southwest corner of Summer. Flush.....
Parker street, southwest corner of County.....
Pearl street, southwest corner of Pleasant.....
Pearl street, southwest corner of Purchase .....
Perry street, south side, east of Acushnet av., 270 feet .....
Phillips avenue, south side, east of Oneko lane.....
Phillips avenue, south side, east of Acushnet av., 173 feet.....
Phillips avenue, southwest corner of Riverside avenue.....
Pierce street, west side, north of Court, 253.7 feet.....
Pine street, northwest corner of Cross. Flush .....
Plainville road, south side, east of Shawmut avenue, 705 feet..
Plainville road, south side, east of Shawmut avenue, 1,139 feet
Plainville road, south side, east of Shawmut avenue, 2,317 feet
Plainville road, south side, east of Shawmut avenue, 3,113 feet
Plainville road, south side, east of Shawmut avenue, 3,920 feet
Pleasant street, northwest corner of Market.....
Pleasant street, west side, north of William, 21½ feet.....
Pleasant street, east side, foot of Sycamore.....
Pleasant street, northwest corner of Pope. Flush.....
Pleasant street, northwest corner of Austin. Flush .....
Pleasant street, southwest corner of Linden. Flush.....
Pleasant street, southwest corner of Weld.....
Plummer avenue, southwest corner of Riverside avenue.....
Plummer avenue, south side, east of Belleville avenue, 177 feet
Pope street, southwest corner of Purchase.....
Pope street, south side, opposite North Oak.....
Pope street, southwest corner of Summer.....
Poplar road, south side, west of Bolton road, 431 feet.....
Potomska street, a group of three post hydrants located about 300 feet east of Prospect and 91 feet north of south line of Potomska street.....
Potter street, south side, east of Shawmut avenue, 403 feet....
Prospect street, west side, north of Grinnell, 275.2 feet.....
Prospect street, northwest corner of Grinnell.....

Prospect street, west side, north of Potomska, 324.5 feet.....
Prospect street, northwest corner of Potomska.....
Purchase street, northwest corner of Dean.....
Purchase street, west side, opposite Oneko mill.....
Purchase street, east side, opposite Clark.....
Purchase street, west side, south of Campbell, 348 feet.....
Purchase street, northwest corner of Union Flush.....
Purchase avenue, northeast corner of Purchase.....
Reed street, west side, north of Court, 145 feet.....
Reed street, southwest corner of Elm.....
Reed street, southwest corner of Middle.....
Reynolds street, southwest corner Weld.....
Reynolds street, west side, south of Clark, 17.9 feet.....
Reynolds street, southwest corner Cedar Grove street.....
Richmond street, southwest corner of Maitland.....
Rivet street, southwest corner of Second. Flush.....
Rivet street, southwest corner of County.....
Rivet street, southwest corner of Bonney.....
Rivet street, southeast corner of Bolton road.....
Rivet street, southwest corner of Hemlock.....
Robeson street, southwest corner of County.....
Robeson street, southwest corner of Ashland.....
Robeson street, southeast corner of Cottage.....
Robeson street, southeast corner of Cedar.....
Robeson street, south side, west of Cedar, 424 feet.....
Rockdale avenue, southwest corner of Bolton road.....
Rockdale avenue, south side, west of Bolton road, 327 feet.....
Rockdale avenue, west side, north of Milton, 126 feet.....
Rockland street, southwest corner of County.....
Rockland street, southeast corner of Hall.....
Rockland street, south side, west of Orchard, 13 feet.....
Rockland street, south side, east of Hemlock, 179.3 feet.....
Rockland street, southwest corner of Lombard.....
Rotch street, west side, south of Union, 213.7.....
Rounds street, northwest corner of Elm.....
Rural street, southwest corner of Allen.....
Russell street, south side, east of Fifth, 92 feet. Flush.....
Russell street, southwest corner of Sixth.....
Russell street, south side, west of Sixth, 179 feet.....
Salisbury street, west side, south of Cove, 598 feet.....
Sand street, northwest corner of Grit.....
Sawyer street, south side, west of County, 644 feet.....
Sawyer street, southwest corner of Purchase.....
Sawyer street, south side, opposite Brook.....

Sawyer street, southwest corner of Bowditch
Sawyer street, southwest corner of Acushnet avenue
Sawyer street, southeast corner of Belleville avenue
Sawyer street, south side, east of Mitchell, 418.8 feet
Sawyer street, north side, east of Belleville avenue, 750 feet
Sawyer street, south side, east of Mitchell street, 690 feet
School street, southwest corner of Sixth
Scott street, south side, west of County, 325 feet
Second street, northwest corner of Mill. Flush
Second street, west side, south of Elm, 52 feet
Second street, west side, south of Spring, 74 feet. Flush
Second street, northwest corner of Coffin. Flush
Second street, west side, at head of Morgan's lane
Second street, west side, north of Grinnell, 61 feet. Flush
Second street, west side, north of Potomska, 232 feet
Second street, west side, south of Potomska, 122 feet
Second street, west side, south of Blackmer, 188 feet
Seventh street, southwest corner of Union
Seventh street, west side, north of Madison, 50 feet. Flush
Shawmut avenue, southwest corner of Willis
Shawmut avenue, southwest corner of Parker
Shawmut avenue, west side, head of Locust
Shawmut avenue, southwest corner of Robeson
Shawmut avenue, west side, north of Austin, 195 feet
Shawmut avenue, west side, north of Durfee, 497 feet
Shawmut avenue, southwest corner of Grand
Shawmut avenue, west side, north of Grand, 363 feet
Shawmut avenue, west side, opposite Topham street
Shawmut avenue, northwest corner of Plainville road
Sherman street, south side, west of County, 314 feet. Flush
Shore street, west side, south of Cove road, 264 feet
Sisson street, northwest corner of Union
Sixth street, west side, north of Grinnell, 194 feet
Smith street, southwest corner of County
Smith street, southwest corner of Chestnut
Smith street, southeast corner of Spruce
Smith street, southeast corner of Shawmut avenue
Smith street, south side, east of Park, 5 feet
South street, south side, east of Crapo, 357 feet
South street, southwest corner of Acushnet avenue
South street, southwest corner of Second
South street, southwest corner of First
South street, southwest corner of Water
South street, southwest corner of Prospect

Spring street, southwest corner of Water
Spring street, southeast corner of Acushnet avenue
Spring street, southeast corner of Fifth. Flush
Spring street, southwest corner of Seventh
State street, southwest corner of Sycamore
State street, southwest corner of Pearl. Flush
Stone street, west side, south of Allen, 208.6 feet
Stowell street, south side, east of Field, 153 feet
Summer street, northwest corner of North. Flush
Summer street, northwest corner of Hillman. Flush
Summer street, southwest corner of Willis. Flush
Summer street, southwest corner Locust
Sycamore street, southwest corner of Thomas. Flush
Sycamore street, southwest corner of Summer. Flush
Sycamore street, southwest corner of Chancery
Taber street, southwest corner of Page
Taber street, south side, west of Page, 428.7 feet
Tallman street, southwest corner of Belleville avenue
Thompson street, southeast corner of Bourne
Thompson street, southwest corner of Hemlock
Thompson street, south side, east of Hemlock, 99.6 feet
Thompson street, south side, west of Bonney, 302 feet
Thompson street, south side, east of Hall, 20 feet
Thompson street, southwest corner of County
Tinkham street, south side, east of Acushnet avenue, 239.2 feet
Topham street, south side, east of Shawmut avenue, 647 feet
Tremont street, southwest corner of Union
Tremont street, northwest corner of Maple
Trinity street, south side, west of Cedar, 264 feet
Union street, southwest corner of Front
Union street, southwest corner of Water
Union street, southwest corner of First
Union street, southwest corner of Second
Union street, southwest corner of Acushnet avenue
Union street, southwest corner of Sixth
Union street, southwest corner of County
Union street, southeast corner of Emerson
Union street, southwest corner of Ocean
Union street, south side, west of James, 61 feet
Valentine street, south side, west of Brock avenue, 187 feet
Viall street, west side, south of Cove, 576.1 feet
Vine street, west side, north of Durfee, 215 feet
Walden street, southwest corner of Maxfield. Flush
Wall street, south side, east of Acushnet av, 165 feet. Flush.

Walnut street, northwest corner of Front
Walnut street, southwest corner of Water
Walnut street, southwest corner of Second. Flush
Walnut street, southwest corner of Fourth
Walnut street, southwest corner of Seventh
Wamsutta street, south side, west of Front, 200 feet
Wamsutta street, south side, west of Front, 372 feet
Wamsutta street, south side, east of Acushnet avenue, 286 feet
Ward street, southwest corner of Bay
Warren street, southwest corner of Brock avenue
Washburn street, southeast corner of Acushnet avenue
Washburn street, south side, west of North Front, 228 feet
Washington street, southwest corner of County
Washington street, southwest corner of Crapo
Washington street, south side, west of Orchard, 102 feet
Washington street, southeast corner of Dartmouth. Flush
Water street, southwest corner of Hillman. Flush
Water street, southwest corner of North
Water street, west side, south of North, 258 feet. Flush
Water street, northwest corner of Middle
Water street, southwest corner of Elm. Flush
Water street, west side, north of Center, 46 feet. Flush
Water street, southwest corner of School
Water street, west side, head of Pine
Water street, west side, head of Leonard
Water street, southwest corner of Howland
Water street, northwest corner of Grinnell
Water street, northwest corner of Potomska
Water street, west side, south of Potomska, 266 feet
Water street, northwest corner of Rivet
Water street, southwest corner of Blackmer
Water street, northwest corner of Delano
Water street, west side, head of Gifford
Weld street, southeast corner of Mt. Pleasant
Weld street, southwest corner of State
Willard street, south side, west of Brock avenue, 364 feet
William street, southwest corner of Bethel
William street, southwest corner of Second
William street, southwest corner of Purchase
William street, southwest corner of Sixth
William street, southwest corner of Eighth
Willis street, southwest corner of Acushnet avenue
Willis street, southwest corner of Purchase
Willis street, southeast corner of Pleasant

Willis street, southwest corner of State
Willis street, southwest corner of County
Willis street, southwest corner of Cottage
Willis street, south side, west of Cedar, 200 feet
Willow street, southwest corner of Cottage
Willow street, southeast corner of Shawmut avenue
Wing street, southwest corner of Fourth
Wing street, southwest corner of Sixth
Winsor street, south side, west of County, 455.5 feet
Winsor street, southeast corner Crapo
Wood street, south side, west of Acushnet avenue, 366 feet
Woodlawn street, south side, west of Brock avenue, 636 feet

Number of flush hydrants	109
Number of post hydrants	629
Total number of hydrants	738

SUMMARY OF STATISTICS.

REPORT OF 1901.

IN ACCORDANCE WITH SUGGESTIONS ADOPTED BY THE NEW ENGLAND WATER WORKS ASSOCIATION.

NEW BEDFORD WATER WORKS,

NEW BEDFORD,

BRISTOL COUNTY, MASS.

Population by census of 1900, 62,442

Date of construction, 1866 to 1869, inclusive
Further supply, 1895 to 1901, inclusive

By whom owned, The property of the City of New Bedford

Source of supply, Water was first introduced on Nov. 26th, 1869. From that date until July 10th, 1899, the supply was taken from a storing reservoir artificially formed by constructing a dam across the valley of the Acushnet river, seven miles north of the center of the City. This supply was augmented by a connection made in 1886 with Little Quittacas Pond.

Since July 10th, 1899, the whole supply has been taken from Great and Little Quittacas Ponds, eleven miles north of the center of the City.

Mode of supply,

Previous to July 10th, 1899, the water flowed by gravity from the Acushnet Storing Reservoir (grade 40′ + high water New Bedford Harbor) through a brick conduit 3 feet wide, 4 feet high, $5\frac{6}{10}$ miles long to a receiving reservoir (capacity 3 million gallons; grade 30′) located opposite the Purchase street pumping station. Thence it was pumped into the Mt. Pleasant distributing reservoir (capacity 15 million gallons; grade 154′) located 1879 feet distant, from whence it flowed by gravity into the city's distributing system.

Since July 10th, 1899, the entire supply has been pumped from Little Quittacas pond (grade 52′) through a 48 inch steel force main $8\frac{1}{4}$ miles long to a distributing reservoir (capacity 67 million gallons; grade 216′) located upon High Hill, in the town of Dartmouth. From this reservoir it flows into the City's distributing system by gravitation through a 36 inch cast iron pipe $3\frac{2}{5}$ miles long.

The first named system is not now in use; but is held in reserve to meet any emergency which might occur.

PUMPING.

1. Builders of pumping machinery,
   Purchase street station,
   - *a.* McAlpine engine, built by Quintard Iron Works.
   - *b.* Worthington duplex engine, built by Henry R. Worthington.
   - *c.* Worthington high duty engine, built by Henry R. Worthington.

Little Quittacas station,

a. Leavitt engine, built by the Dickson Manufacturing Co.

b. Leavitt engine, built by the Dickson Manufacturing Co.

2. Description of fuel used,

a. Bituminous.

b. Pocahontas.

c. Price per gross ton delivered, Braley's station, $4.95.

d. Percentage of ash, 7.

e. Wood, price per cord, $4.00.

	Little Quittacas Station. Engines A and B.	Purchase Street Station. Engine B.
3. Coal consumed for the year in pounds,	2,557,950	132,050
4. $\frac{\text{Lbs of wood consumed}}{3}$ = coal,	33	33
5. Total fuel consumed for the year (3 + 4),	2,557,983	132,083
6. Total pumping for the year in gallons, with allowance for slip,	2,086,593,318	45,275,272
7. Av. static head against which pumps work,	166.27	184.42
8. Av. dynamic head against which pumps work,	189.52	192.04

	Little Quittacas Station.	Purchase Street Station.
	Engines A and B.	Engine B.
9. *a.* Number of gallons pumped per pound of fuel, (5),	816	343
b. Number of gallons raised 100 feet per pound of coal for total fuel (5),	1,546	659
10. Duty in foot pounds per 100 pounds of coal, using following formula, making no deductions for starting, banking fires, heating building, or anything else,		
Duty = $\frac{\text{Gallons pumped (6) x 8.34 (lbs) x 100 x dynamic head (8)}}{\text{Total fuel consumed (5).}}$	128,932,159	54,899,943

COST OF PUMPING, FIGURED ON PUMPING STATION EXPENSES, VIZ., $12,765.64.

11. Per million gallons raised against average dynamic head (8) into reservoir, $5.99

12. Per million gallons raised one foot high (dynamic), $3\frac{16}{100}$ cents

COST OF PUMPING, FIGURED ON TOTAL MAINTENANCE, (See Financial CC.) VIZ., $113,687.59.

13. Per million gallons raised against average dynamic head (8) into reservoir, $53.33

14. Per million gallons one foot high (dynamic), $28\frac{13}{100}$ cents

FINANCIAL.

MAINTENANCE.

RECEIPTS.			EXPENDITURES.	
Balance brought forward,		$5,795.02	*aa*. Management and repairs,	$36,107.59
From Consumers:			*bb*. Interest on bonds,	77,580.00
a. Water rates, fixtures,	$73,192.32			
b. Water rates, meter,	34,391.32		*cc*. Total maintenance for year,	$113,687.59
c. Net receipts for water, (*a* and *b*)	$107,583.64		Bonds paid,	30,000.00
d. Miscellaneous (rent, repairs, sales, etc.,)	580.26		Sinking funds,	4,000.00
e. Total from consumers,		$108,163.90	Sinking funds, further supply,	24,000.00
From Public Funds:			*dd*. Balance,	26,851.33
f. Hydrants, *g*. Fountains, *h*. Street watering, *i*. Public buildings,	$12,000.00		*k*. Total,	$198,538.92
j. General appropriation from tax levy (deficit),	72,580.00			
Total from public funds,		84,580.00		
k. Gross receipts from all sources,		$198,538.92		

FINANCIAL.

CONSTRUCTION.

RECEIPTS.			EXPENDITURES.	
t. Transferred from maintenance account,		$26,851.33	*ff.* Extension of mains,	$16,677.95
u. From other sources:			*gg.* Extension of services,	3,736.06
Mains,	$2,157.97		*hh.* Extension of meters,	1,255.35
Services,	2,406.02		*ii.* Special (reservoir, pumps, etc.),	779.87
Mill Pipe,	423.46			
Meters,	1,961.58		*jj.* Total construction for year,	$22,449.23
Workshop,	17.61	6,966.64	*kk.* Balance,	11,368.74
v. Total,		$33,817.97	*v.* Total,	$33,817.97

FINANCIAL—*Continued.*

w. Net cost of works to date, not including further water supply,		$1,842,556.96
Further water supply to Dec. 2, 1901,		1,316,495.86
x. Bonded debt at date :		
Old works,	$528,000.00	
Further water supply,	1,200,000.00	$1,728,000.00
y. Value of sinking fund at date,		181,727.69
z. Average rate of interest,		$4\frac{41}{100}$ per cent.

CONSUMPTION.

1.	Estimated total population at date,	65,000
2.	Estimated population on lines of pipe at date,	58,000
3.	Estimated population supplied at date,	57,000
4.	Total number gallons consumed for year,	2,150,199,262
5.	Passed through meters,	561,404,250
6.	Percentage of consumption metered,	$26\frac{1}{10}$
7.	Average daily consumption in gallons,	5,890,957
8.	Gallons per day to each inhabitant (1),	91
9.	Gallons per day for each consumer (3),	103
10.	Gallons per day to each tap (distribution 22),	624

DISTRIBUTION.

MAINS.

1. Kind of pipe used,
   Cast iron.
2. Size,
   From 4 to 36 inch.
3. Extended,
   13,722 feet.
4. Discontinued,
   2,302 feet.
5. Total now in use,
   $94\frac{8864}{10000}$ miles.
6. Cost of repairs per mile,
   $20.54
7. Number of leaks per mile,
   $\frac{3}{10}$
8. Small distribution pipe, less than 4 inches, total length,
   $1\frac{2017}{10000}$
9. *a.* Fire hydrants added,
   12
   b. Watering cart connections added,
   0
10. *a.* Number of fire hydrants now in use,
    750
    b. Number of watering cart hydrants now in use,
    51
11. Stop gates added,
    27
12. Number now in use,
    1,092
13. Small stop gates, less than 4 inches, total,
    80
14. Number of blow-off gates,
    97
15. Range of pressure at centre for day and night,
    37 to 64 lbs.

SERVICES.

16. Kind of pipe used,
Lead and cast iron.

17. Size,
From ½ to 10 inches.

18. Extended,
4,138.7 feet.

19. Discontinued,
2,457.0 feet.

20. Total now in use,
$61\frac{41}{100}$ miles.

21. Service taps added,
167

22. Number now in use,
9,447

23. Average length of service,
34.3

24. Average cost of service,
a. Gross, $19.16
b. Net, 6.82

25. Meters added,
137

26. Number now in use,
a. Domestic, 1,493
b. Manufacturing, 69
c. Public, 4

27. Percentage of services metered,
$16\frac{6}{10}$

28. Percentage of receipts from metered water (B÷C),
32

29. Number of motors and elevators added,
9

30. Number now in use,
125

In Board of Aldermen,

January 23d, 1902.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

In Common Council,

January 23d, 1902.

Concurred,

WALTER H. B. REMINGTON, Clerk.

1902 — CITY DOCUMENT No. 4.

The Fiftieth Annual Report

OF THE

TRUSTEES

OF THE

FREE PUBLIC LIBRARY

OF THE

CITY OF NEW BEDFORD, MASS.

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, CITY PRINTERS.
1902.

Officers of the Free Public Library

FOR THE YEAR 1902.

TRUSTEES.

Ex-officio. *Terms expire January, 1903.*

CHARLES S. ASHLEY, Mayor of the City.
SAMUEL HIGHAM, President of the Common Council.
WILLIAM E. SMITH, Chairman of the Committee of the City on Education.

Elected by the City Council.

ISAAC B. TOMPKINS, Jr.,	Term expires April, 1903.
MATTHEW C. JULIEN,	Term expires April, 1903.
FRANCIS M. KENNEDY,	Term expires April, 1904.
LEMUEL LeB. HOLMES,	Term expires April, 1904.
WALTER S. ALLEN,	Term expires April, 1905.
WILLIAM L. SAYER,	Term expires April, 1905.

PRESIDENT OF THE BOARD,
THE MAYOR.

CLERK,
WILLIAM L. SAYER.

COMMITTEES.

On Library—Messrs. Julien, Holmes, and Sayer.
On Finance—Messrs. Tompkins, Kennedy, and Allen.
On the Building—Messrs. Holmes, Allen, and Smith.
On Branch Reading Rooms—Messrs. Julien and Smith.

LIBRARIAN,
GEORGE H. TRIPP.

CATALOGUER,
ANNA W. DeWolf.

ASSISTANTS.
Clement L. Yaeger, Josephine A. Merrick, Susie H. Gammons, Etta F. Lawrence, Nellie C. Davoll.

DELIVERY STATION ATTENDANTS,
North Station—William Brown. South Station—Robert Allen.

PAGES,
James McCarthy, Henry McCarthy, Gabriel Schultz, Michael Sheehan.

JANITOR,
Yorick W. Ames.

REPORT.

To the City Council of the City of New Bedford:

GENTLEMEN:—The Trustees of the Library herewith present their fiftieth annual report. Incorporated in it, and made a part of it, will be found the first report of George H. Tripp, the librarian, who, succeeding the late Robert C. Ingraham, assumed the duties of the place on the 22d of July, 1901. To that report the Trustees refer the City Council for figures of circulation, as well as for other information concerning the detail of the Library's operations, and for many valuable suggestions concerning the office of a free public library in a city like New Bedford. We ask for them a careful consideration, as they bear directly on the work of an institution which, while it is already far-reaching in its influence, is yet destined, as we believe, to a development far beyond its present scope. In this connection the Board is pleased to be able to congratulate the City Council and the people of New Bedford on its good fortune in securing the service of Mr. Tripp, who has entered upon his work with a zeal tempered by intelligence that promises a worthy carrying on of the noble work of his predecessor. His report to the Board of Trustees is as follows:

Librarian's Report.

To the Board of Trustees of the Free Public Library:

GENTLEMEN:—I have the honor to submit the following report on the condition of the library, with certain suggestions of future development.

By the statistics appended it will be seen that the circulation for the eleven months that the library was open in 1901 was 111,849 books. No figures are at hand to show the actual use of books in the library. Some of the most important work of a modern library is done in the reference room and among the alcoves. It is manifestly impossible with our present force of attendants to keep accurate account of the number of books thus consulted, without slighting other necessary work.

One noticeable feature in the report is the percentage of works of fiction taken from the library. Within the last few months there has been a vigorous exploitation of views by leading librarians and others interested on the subject of the purchase of fiction for public libraries. Herbert Putnam, the librarian of Congress, would restrict the purchase of novels to those which have earned the right to live by living at least a year after publication, while Andrew Carnegie puts the ban upon those under three years old.

The Providence Public Library in 1900 bought only seventeen current novels, the librarian, Mr. W. E. Foster, welcoming the advent of such agencies as the

Book-Lovers' Library and other outside sources to supply the wants of fiction readers.

But there are certain considerations which are strongly against such a proposition.

A public library should furnish what the people want, within the bounds of decency, good sense, and economy.

A library supported by the people must provide them with books they will read, yet ever ready to suggest and provide better books than the average taste of a community craves. Of course, books of manifestly demoralizing tendencies should be rigidly excluded; but if the people want fiction, and 75% of them do, fiction they must have, till by judicious suggestion and advice something better is demanded. It must be considered, too, that fiction is a broad term.

Some of the finest literature is classed as fiction. It certainly is not to the discredit of a reader that he prefers to read The Scarlet Letter, Romola, Elsie Venner, Henry Esmond, Ivanhoe, Bleak House, Treasure Island, all of which must be classed as fiction, rather than waste his time over Mrs. Gallup's Bibliteral Cipher, which poses as literature. And there are even those who say that it were better to spend a delightful hour with Thackeray or Hardy than read the lucubrations of some pseudo-philosopher who tries to prove there is no God, or the unconscious efforts of some poetaster to show us there is no poetry.

Patrons of the library should have abundant opportunity to take out good fiction; at the same time, by the privilege of taking another book on the same card, the use of other classes of books would be increased. There is no doubt that the percentage of fiction could be largely reduced by freely granting the privilege of taking two books, one of which should be non-fiction. This method is in vogue in many libraries and with great success.

Again, as Mr. Foster has clearly shown, figures are

deceptive. A person can read two or three books of fiction in the time required to read one book in history, biography or travel, while in cost to the library the cost of ten novels would be no more than three or four books of travel, history, or philosophy, so the book-funds are not spent in proportion to the number of novels added.

If the library drives away its readers of fiction, the well-to-do can solace themselves with the Book-Lovers' Library, or can buy books, while those of small means are driven to cheap story papers, chromatic journals, the unclassified reading of circulating libraries. Better to have reading under the auspices of expert library selection, where there is constant effort to keep out the sensational and attract to the substantial.

During the last few months an effort has been made to place on the open shelves, besides the new books, lists of books on various subjects which might be helpful to readers, and it has been gratifying to see that such books have gone into circulation freely.

Among such lists were selected biographies, Fifty Famous Essayists, Books on Germany, Writings of John Fiske, Horace Scudder, books suggested by Howells' "Literary Friends and Acquaintances" (a list copied from the San Francisco Library Bulletin).

Since July reference lists have been prepared on the following subjects: King Alfred the Great, William McKinley, Theodore Roosevelt, John Fiske, The Whaling Industry, Cotton and Textile Industries, Victor Hugo; and a reference list of Genealogies and Family Histories is now being published.

Our bulletin board has been made a useful feature in calling attention to new publications and to topics of current interest.

A children's open case has recently been placed in the corner of the reading room, where the young people can see for themselves that there are other authors than

Horatio Alger who have written for boys, and other names in fiction than Elsie.

A children's room is one of the most popular features of the modern library; for the children, because it furnishes them with books suited to their needs, and because their tastes and wishes can be gratified in a special part of the library in which they feel a proprietary interest; for the older readers in the reference room, who are not disturbed by the entry and conversation of children.

The children of today are the future patrons of the library, and they should be brought up to use books and to love good books.

Nothing is of greater assistance in stimulating such a book education than a children's room in a library with an intelligent and inspired attendant who knows children and books and has tact.

A display of photographs of Massachusetts libraries was made in December. Over 150 pictures were shown, which had been kindly loaned by libraries of many cities and towns.

For the last four months there has been displayed a collection of art photographs which is changed every week, and which gives in chronological order a view of the more notable examples of the Italian school of art. This will be continued through the year.

If there were room, there would be better opportunity to display to advantage the book-treasures which the library contains. No one from the outside can know the wealth of good material concealed within the Free Public Library of New Bedford. The best monument to the memory of the late librarian, next to the living remembrance of his willing service to all perplexed readers, is the grand collection of books which he was instrumental in collecting.

A catalogue of the books in the French language which are in the library has been prepared by Miss DeWolf, and is a very useful and valuable piece of

work, which should prove of great assistance to student, and readers.

In connection with the reference work of the library the public should realize that the books on the shelves in the reference room comprise but a very small portion of the reference works in the library. There are several thousand additional books which might very properly be placed on those shelves if there were room.

Again, it should be known that the information desk stands for a service to the patrons of the library, that should be made use of very freely.

A public library should be able to throw light on any and every subject of inquiry, and though a simple question may tax the resources of the library and demand the time of the librarian for hours to answers yet it is all in the line of the legitimate work of the library, and such help should always be gladly furnished as far as can be done. It should also be remembered that the library can be questioned by telephone at any time and subjects will be gladly looked up.

Clubs and societies pursuing lines of study can be furnished with lists of books and magazine articles bearing on such subjects, on application.

The branch reading rooms are an important adjunct of the library. A few changes in equipment would render them more efficient. A demand for improved facilities would probably result in securing better and more extended service. It is gratifying to know that gradually more adults are using the rooms.

It might be well to consider the feasibility of sending collections of books to schools, engine houses, and hospitals, on request.

Such traveling libraries are in use in many places, notably Buffalo.

The school and the library should work hand in hand in greatest harmony. The library staff will be ready at any time to assist in preparing lists of reference

books on any topics suggested, and help in suggesting courses of reading.

While the reading public of New Bedford is not as large as might be desired or expected in a city of its size, those who use the library are extremely appreciative, and it is a pleasure to meet their demands for service. No one appreciates more than does the present librarian the immense debt of gratitude which New Bedford owes to Robert C. Ingraham for the life work which he put into this library. It should be the aim of all to continue the work so nobly begun, with the inspiration of his life ever in grateful memory as an incentive to good work.

I personally wish to express my deep gratitude to the trustees for their sympathetic assistance in the beginning of my work; to my assistants, who have been prompt to respond to all calls; and to the people of New Bedford, who have been extremely helpful by their courtesy and consideration. It will be the aim of your librarian and all connected with the library to make it fulfil the grand motto of the city seal, Lucem Diffundo.

Respectfully submitted,

GEORGE H. TRIPP, Librarian.

There are not many things to say in addition to those rehearsed by the librarian. We would once more call the attention of the Council to the crowded condition in every department of the library. A small relief was obtained in the fiction department by the installing of new iron stacks, which effected some economy of room. But the space so saved was nearly all taken up in a very short time, and the problem of the bestowal of further additions becomes more and more difficult each month. This, however, is not so troublesome as the totally inadequate accommodations for users of the library. We should have four or five times as much room for the convenience of children, readers, and students, to say nothing of those who come to the library merely to return and take away books. All these classes are in each other's way, and the crowding is a most serious obstacle to the enjoyment and benefit of some of them. A student has practically no suitable accommodation in the library, though he is of one of the classes which should have the most and the best attention.

The death of the librarian, Robert C. Ingraham, occurred early in the year, and before the annual report was printed, so that a sketch of his life and some tributes to his memory appeared as an appendix to the report. The trustees desire to express here, formally and officially, their gratitude for the life of such a man and that he gave that life to a service in which they are proud to have had a small share. He was such an example of faithfulness to a trust as should, and we know will, inspire many another to the accomplishment of a high ideal. Few of the sons of New Bedford have been of such inestimable value to their native city.

The first annual report asserted that "no such institution as that whose first report is now submitted to the city government of our city, has ever thrown open its doors to the public in this or in any other country," but the trustees of that day found unexpected encouragement in the interest which it immediately excited. "Our library," they say, "has become one of the institutions of the the city, and under the continued patronage of the city government, which will doubtless be extended to it, it is destined, we most confidently believe, to be one of the most popular as well as one of the most useful." Now after fifty years, in which time there has been an evolution of library work of which that board did not dream, we can say that they foresaw rightly, and we have confidence that their prevision will be verified again at the close of another half century.

Respectfully,

CHARLES S. ASHLEY,	Ex-Officio.
SAMUEL HIGHAM,	
WILLIAM E. SMITH,	
ISAAC B. TOMPKINS, JR.	Elected Trustees.
MATTHEW C. JULIEN,	
FRANCIS M. KENNEDY,	
LEMUEL LEB. HOLMES,	
WALTER S. ALLEN,	
WILLIAM L. SAYER,	

A TRIBUTE TO MR. INGRAHAM.

The following article relative to the late Robert C. Ingraham was printed in The Catholic Union of March 9, 1901:

"In the death of Mr. Robert C. Ingraham, librarian of the Free Public Library, New Bedford has sustained one of the greatest losses in her history. As the first librarian in this country, so also was he one of the most capable. For nearly half a century, from the very foundation of the library in 1852, up to three days before his death, he presided over that institution with an ability and devotion that developed it into one of the best equipped libraries in the United States. He was known and respected from one end of the land to the other, and his demise has occasioned a loss in this branch of education which, in many respects, will be irreparable. A persistent worker, courteous and obliging, possessing a vast and varied knowledge, he placed at the disposal of our library all his talents, all his time, and all his attention. What the library is today is due entirely to the wisdom of his direction, and in his magnificent equipment of that institution he has bequeathed a priceless legacy to New Bedford and reared for himself a monument that will ever preserve his memory."

Classification.	No. of Books Circulated.	Percent of Whole.
Biography	2,021	.018
Philosophy	1,016	.009
Religion	918	.008
Sociology	1,391	.012
Philology	313	.003
Science	2,025	.018
Useful Arts	1,937	.017
Fine Arts	2,732	.024
Literature	2,525	.022
History and Travels	6,452	.058
Miscellaneous	4,491	.045
Fiction	85,028	.767
Total circulation	111,849	

GENERAL STATISTICS FOR 1901.

Volumes added to library from all sources	2,884	
Pamphlets	796	
Total additions		3,680
Volumes added by purchase	2,427	
Volumes added by binding periodicals	356	
Volumes added by gift	457	
Volumes worn out and withdrawn	515	
Volumes replaced	303	
Net additions to the library in volumes		2,672
Volumes bound (including periodicals and volumes repaired at bindery)		2,458
Total number of volumes in the library, January 1, 1902		77,707
Periodicals in reading room		178
Newspapers in reading room		26
New cards issued		1,615
Books drawn for home use		111,849

Pictures loaned :		
Paintings	1,059	
Architecture	297	
Prints	175	— 1,531
North Branch:—		
Attendance, adults		4,934
" children		11,569
Books circulated		1,553
South Branch:—		
Attendance, adults		2,569
" children		12,300
Books circulated		1,149

EXPENDITURES, 1901.

CITY APPROPRIATION.

Appropriation		$12,000.00
Binding	$1,567.32	
Carrying books (branches)	110.00	
Cleaning library	342.00	
Freight	20.18	
Newspapers and periodicals	684.35	
Photographs	27.55	
Printing	223.66	
Repairs	131.90	
Salaries and wages	8,535.00	
Supplies	233.68	11,875.64

DOG FUND.

Balance		$1,565 44
Income		1,456.04
		$3,021.48
Books	$250.00	
Furnishings and repairs	60.41	
Furniture	1,138 50	
Newspapers and periodicals	113.04	
Photographs	163.73	
Printing	2.18	
So. Mass. Telephone Co.	36.00	
Supplies	116.58	1,880.44
Balance		$1,141.04

READING ROOM FUND.

Balance		$631.95
N. B. Gas & Edison Light Co.	$180.46	
Newspapers and periodicals	80.80	261.26
Balance		$370.69

JAMES B. CONGDON FUND.

Balance		$97.66
Income		30.00
Balance		$127.66

No expenditures.

GEORGE O. CROCKER FUND.

Balance		$337.80
Income		400.00
		$737.80
Books	220.54	220.54
Balance		$517.26

OLIVER CROCKER FUND.

Balance		$99.06
Income		60.00
Balance		$159.06

No expenditures.

GEORGE HOWLAND, JR., FUND.

Balance		263.68
Income		96.00
		$359.68
Books	$26.00	26.00
Balance		$333.68

SYLVIA ANN HOWLAND FUND

Balance		$1,275.38
Income		3,000.00
		$4,275.38
Books	$3,089.23	3,089.23
Balance		$1,186.15

CHARLES W. MORGAN FUND.

Balance	$106.24
Income	60.00
Balance	$166.24

No expenditures.

CHARLES L. WOOD FUND.

Balance	$128.18
Income	$80.00
Balance	$208.18

No expenditures.

TOTAL EXPENDITURES.

(Excluding Fines Acc't).

Binding	$1,567.32
Books	3,585.77
Carrying books (branches)	110.00
Cleaning library	342.00
Freight	20.18
Furnishings and repairs	192.31
Furniture	1,138.50
N. B. Gas & Edison Light Co.	180.46
Newspapers and periodicals	878.19
Photographs	191.28
Printing	225.84
Salaries and wages	$8,535.00
So. Mass. Telephone Co.	36.00
Supplies	350.26
	$17,353.11

Included in the above is $261.26 expended on the branch reading rooms (exclusive of salaries).

GIFTS—1901.

	V.	P.	Nos.
Amherst College, Amherst		1	
Amiraux, Frank, Paterson, N. J.		1	
Andover Theological Seminary, Andover		1	
Ashley, Harrison Everett, New Bedford		1	
Ayer, F. F. New York, N. Y.	1		
Balch, Thomas W., Philadelphia, Pa.	1		
Bancroft-Whitney Co., San Francisco, Cal.		1	
Barton, William E., Oak Park, Ill.	1		
Beaman & Smith, Providence, R. I.		1	
Bellenoit, Alveric, New Bedford		1	
Benton, J. H. Jr., Boston		1	
Boston, City of	3	7	
Boston Book Co., Boston Portrait			4
Boston Port and Seamen's Aid Society, Boston		1	
Boston Young Men's Christian Union	1		
Bowdoin College, Brunswick, Me.		1	
Brooklyn Institute of Arts and Sciences, Brooklyn, N.Y.	2		
Brown University, Providence, R. I.	1		
Bunker Hill Monument Association, Boston	1		
Butler Hospital for the Insane, Providence, R. I.		1	
Caproni, P. P. and Brother, Boston	1		
Chicago, Ill., City of		5	
Choate, Hon. Joseph H., New York, N. Y.	1		
Cleveland, O., City of		1	
C. M. Clark Pub. Co., Boston	1		
Colby College, Waterville, Me.		1	
Commonwealth Co., Pub., New York, N. Y.	1		
Coolidge, T. Jefferson, Manchester		1	
Cornell University (Ag. Exp. Station), Ithaca, N. Y.			9
Coubertin, Pierre de, France	1		
Cunningham, Henry W., Boston		1	
Dana, Richard H., Boston		1	

	V.	P.	Nos.
Dante Society, Cambridge		1	
Dartmouth Club, New Bedford	1		
Denham, Edward, New Bedford	1		
Drotsum, A. C., Christiana, Norway	1		
Fair Representation Committee, Melrose		1	
Farquhar, David, Cambridge	1		
Field, Marshall, Chicago, Ill.	2		
Field Columbian Museum, Chicago, Ill.	1	9	
Fitchburg, Mass., City of	1		
Folsom, Frances A., Limerick, Me.	1		
Francis, Hon. F. W., New Bedford	2		
Free Religious Association of America, Boston		1	
General Society of Mechanics and Tradesmen, New York, N. Y.		2	
Gifford, Charles H., New Bedford	1		
Green, James, Worcester		1	
Green, Dr. Samuel A., Boston	1	26	
Haile, Mrs. Wm. H., Springfield	1		
Hampton Normal and Agricultural Institute, Hampton, Va.		1	
Harvard University, Cambridge	1	1	
Hervey, James W., New Bedford	5		
Howland, Richard S., Providence, R. I.	1		
Hussey, Mrs. C. M., New Bedford			9
Hutchinson, H. S. & Co., New Bedford	1		
Indian Rights Association, Philadelphia, Pa.		4	
Iowa State Normal School, Cedar Falls, Ia.		1	
Johns Hopkins University, Baltimore, Md.			7
J. S. Ogilvie Pub. Co., New York, N. Y	2		
Julien, Rev. Matthew C., New Bedford		6	
Kinsley, William J., New York, N. Y.		2	
Knopf, Dr. S. A, New York, N. Y.		1	
Lake Mohonk Conference, Ulster Co., N. Y.		1	
Lega-Weeks, Ethel, London, Eng.		1	
Libraries:			
Albany, N. Y. New York State Library		2	2
Amherst College Library			3
Baltimore, Md. Enoch Pratt Free Library		1	2
Boston. Congregational Library		2	
General Theological Library		1	
Public Library		2	12
Brookline Public Library	1	2	3
Brooklyn, N. Y. Public Library		1	9

Libraries — *Continued:*	V.	P.	Nos.
Brunswick, Me. Bowdoin College Library		1	
Buffalo, N. Y. Public Library		1	
Cambridge Free Public Library		1	10
Harvard University Library		1	
Cedar Rapids, Ia. Free Public Library		1	
Chelsea. Fitz Public Library		1	
Chicago, Ill. John Crerar Library		1	
Public Library		1	
Cincinnati, O. Public Library		1	3
Cleveland, O. Public Library		2	
Clinton. Bigelow Free Public Library		1	
Detroit, Mich. Public Library		1	
District of Columbia. Public Library		1	
Dover, N. H. Public Library			2
Erie, Pa. Public Library		1	
Fairhaven. Millicent Library		1	
Fitchburg Public Library			6
Germantown, Pa. Friends' Free Library		1	
Groton Public Library		1	
Hartford, Conn. Public Library		1	
Haverhill Public Library			3
Helena, Mon. Public Library			1
Hopedale. Bancroft Memorial Library		1	
Jersey City, N. J. Public Library		1	2
Lawrence Free Public Library		1	2
Library of Congress. See U. S. Government			
Lincoln, Neb. Public Library		1	
Los Angeles, Cal. Public Library		1	12
Lowell City Library		1	1
Madison, Conn. E. C. Scranton Memorial Library		1	
Malden Public Library		1	2
Manchester. Memorial Library		1	
Marblehead. Abbott Public Library		1	
Medford Public Library		1	
Milwaukee, Wis. Public Library		1	2
Minneapolis, Minn. Public Library		1	
Monmouth, Ill. Warren County Library			4
New Haven, Conn. Public Library			10
Yale University Library		1	
New Orleans, La. Fisk Free and Public Library		1	
New York, N. Y. Aguilar Free Library Society		1	
Mercantile Library		1	

Libraries — *Continued:*	V.	P.	Nos.
Public Library			12
Newport, R. I. Redwood Library		1	
Newton Free Library		1	
Northampton. Forbes Library		1	
Oakland Cal. Free Library and Reading Rooms		1	
Paterson, N. J. Free Public Library		1	1
Philadelphia, Pa. Apprentices' Library Company.		1	
City Institute (containing Free Library		1	
Free Library		1	1
Library Company			2
Mercantile Libray			3
Pittsburg, Pa. Carnegie Library			7
Pittsfield. Berkshire Athenæum		1	
Portland, Me. Public Library		2	
Poughkeepsie, N. Y. Adriance Memorial Library.		1	
Providence, R. I. Athenæum		1	
Coöperative Libraries			12
Public Library		3	1
Salem Public Library		1	10
San Francisco, Cal. Public Library		1	12
San Jose, Cal. Free Library		1	
Scranton, Pa. Public Library		1	
Seattle, Wash. Public Library			1
Somerville Public Library		1	10
Springfield City Library			10
Syracuse, N. Y. Public Library		1	
Tacoma, Wash. Public Library			4
Taunton Public Library		1	1
Trenton, N. J. New Jersey State Library	2		
Waltham Public Library		2	8
Weston. Town Library		1	
Worcester Free Public Library		3	11
Lynn, Mass., City of	1		
Lynn Historical Society, Lynn		1	
Marston, Mrs. Ellen, New Bedford	4		
Massachusetts, Commonwealth of	21	7	
Massachusetts Institute of Technology, Boston		2	
Massachusetts Society, Sons of the American Revolution, Boston	1		
Massachusetts State Federation of Women's Clubs, Boston		1	
Mayor, Hon. John E. B., Cambridge, Eng.		2	

	V.	P.	Nos.
Merrick, Josephine A., New Bedford	1		
Metropolitan Museum of Art, New York, N. Y.		1	
Moore, Charles S., Cambridge		1	
Mount Holyoke College, South Hadley		1	
Murray, Thomas Hamilton, Woonsocket	1		
Museum of Fine Arts, Boston		1	
National Civil Service Reform League, New York, N.Y.		3	
National Conference of Charities and Corrections, New York, N. Y.		1	
National Educational Association, Winona, Minn.	1		
New Bedford, Mass., City of	34	24	
Board of Cemetery Commissioners		1	
Board of Park Commissioners		1	
Water Board		1	
New York Civil Service Reform Association, New York, N. Y.		1	
O'Neil, Desmond, Boston		1	
Pacific School of Ostheopathy, Los Angeles, Cal.		1	
Peabody Institute, Baltimore, Md.		1	
Peabody Institute, Danvers, Mass.		1	
Peace Association of Friends, Philadelphia, Pa.		1	
Pennock, Rev. B. W., New Bedford		3	33
Perkins Institute and Massachusetts School for the Blind, Boston	1	1	
Pond, Major J. B., New York, N. Y.		1	
Porto Rico, Gov. Charles H. Allen		1	
Princeton University, Princeton, N. J.		1	
Providence, R. I., City of	1		
Providence Machine Co., Providence, R. I.	1		
Purrington, Oliver B., New Bedford	4		
Rhode Island School of Design, Providence, R. I.		1	
Rosenthal, Jacques, Munich (Bavaria), Germany		1	
Royal Society of Canada, Ottawa, Canada	1		
St. Luke's Hospital, New Bedford		1	
Sayer, William L., New Bedford	15	25	
Sellers, Edwin Jaquett, Philadelphia, Pa.	1		
Seward, George F., East Orange, N. J.		1	
Smithsonian Institution, Washington, D. C.	11	3	
Snow, Levi M., Fairhaven,		Maps	
Society of Chemical Industry, London, Eng.		1	
Soldiers' Home in Massachusetts, Chelsea		1	
Swan, Charles H. Jr., New York, N. Y.	1		

	V.	P.	Nos.
Thomson, Asa T., New Bedford	1		
Tompkins, Isaac B., Jr., New Bedford	1	1	
Tripp, George H., Fairhaven	6	2	
United States Government:			
Board on Geographic Names	1	1	
Congress	239	1	
Court of Claims	1		
Department of Agriculture	2	161	38
Department of Labor	2		6
Department of State	3	1	
Department of War	12	5	3
Department of the Interior. Atlas Folios 11, Maps 93	8	31	94
Department of the Navy	2	4	
Department of the Treasury	11	9	
Interstate Commerce Commission	1		
Library of Congress	5	3	
Patent Office	1		60
Philippine Commission	2		
Superintendent of Documents		1	12
University of California, Berkeley, Cal.		1	
University of Chicago, Chicago, Ill.	1	1	
University of Illinois, Urbana, Ill.			1
University of Nebraska, Lincoln, Neb.		1	
University of Pennsylvania, Philadelphia, Pa.		1	
University of Vermont: State Agricultural College, Burlington, Vt.		1	
University of Wisconsin, Madison, Wis.		1	
Unknown		1	
Van Marken, J. C., Delft, Holland	1		
Waerond, George W., Denver, Col.	3		
Warner and Swasey, Cleveland, O.	1		
Williams, Samuel D., New Bedford		1	
Williams College, Williamstown		1	
Women's Auxiliary to the Civil Service Reform Association, New York, N. Y.		4	
Worth, Henry B., New Bedford		1	
Yale University. New Haven, Conn.	1	2	

PERIODICALS, ETC.

American Anti-Vivisection Society. Journal of Zoophily, Phil., 1901. Q.

American Peace Society. The Advocate of Peace. Bost., 1901. O.

Catholic Union Publishing Company. The Catholic Union. New Bedford, 1901. fo.

Christian Science Pub. Society. The Christian Science Journal. Boston, 1901. O.

Christian Science Sentinel. Bost., 1901. fo.

Cook, Thomas & Son. Cook's Excursionist. N. Y., 1901. fo.

Gunton Company, The. Lecture Bulletin of the Institute of Social Economics. New York, 1901. O.

Holy Cross College, Worcester. The Holy Cross Purple. Worc., 1901. O.

League of American Wheelmen. L. A. W. Magazine, now Good Roads Mazazine. N. Y., 1901. O.

Lummis, Chas. F., *Ed.* The Land of Sunshine. Los Angeles, Cal., 1901. O.

Office of the National Press Bureau. Practical Politics. Bost., 1901. Q. 27 nos.

Providence Board of Trade. Journal of Commerce and Board of Trade Journal. Providence, 1901. fo.

Publishers.

Order of the Golden Age. Herald of the Golden Age. London, 1901. Q.

Book Reviews, N. Y., 1901. O. 6 nos.

The Chicago Banker, Chicago, Ill., 1901. 8°.

The Guide, Fresno., Cal., 1901. fo. 5 nos.

O Arauto, Oakland, Cal., 1901. fo.

Paradise of the Pacific. Honolulu, 1901. Q. 12 nos., 7 nos.

The Primitive Methodist Journal, Fall River, 1901. fo.

The Public, Chicago, 1901. Q.

Salvation, N. Y., 1901. O.

Star Monthly, Oak Park, Ill., 1901. Q.

Universalist Leader, Bost., 1901. fo.

Record Publishing Co. Montana Daily Record. Helena, Mon., 1901. fo.

Reorganized Church of Jesus Christ of Latter Day Saints. The Saints' Herald. Lamoni, Ia., 1901. O.

Autumn Leaves. Lamoni, Ia., 1901. O.

Travelers Insurance Company. Travelers Record, Hartford, 1901. 4°.

U. S. Government (Congress). Congressional Record., Wash., 1901. Q.

World's Woman's Christian Temperance Union. Union Signal. Chicago, 1901. fo.

In Board of Aldermen,
Sept. 11, 1902.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

In Common Council,
Sept. 11, 1902.

Concurred.

W. H. B. REMINGTON, Clerk.

1902—CITY DOCUMENT No. 5.

ANNUAL REPORT

OF THE

CHIEF ENGINEER

OF THE

FIRE DEPARTMENT

OF THE CITY OF NEW BEDFORD

FOR THE YEAR ENDING DECEMBER 31, 1901.

FREDERICK MACY, CHIEF ENGINEER.

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, CITY PRINTERS,
1902.

COMMITTEE OF THE CITY COUNCIL

ON

FIRE DEPARTMENT.

1901.

ALDERMEN,

GEO. H. HEDGE,
Residence, 136 Clinton Street.

DR. LOUIS Z. NORMANDIN,
Residence, 584 Purchase Street.

COUNCILMEN,

FRANCIS P. WASHBURN,
Residence, Mill Road.

ROBERT S. GORHAM,
Residence, 79 Morgan Street.

ROBERT COOKE,
Residence, 266 Fourth Street.

ENGINEER'S DEPARTMENT.

CHIEF ENGINEER,

FREDERICK MACY,
Residence, 234 Acushnet Avenue.

FIRST ASSISTANT ENGINEER,

EDWARD F. DAHILL,
Residence, 764 County Street.

SECOND ASSISTANT ENGINEER,

JAMES J. DONAGY,
Residence, 83 Washington Street.

THIRD ASSISTANT ENGINEER,

WILLIAM E. WATSON,
Residence, Corner Fourth and School Streets.

FOURTH ASSISTANT ENGINEER,

ROBERT WOOLFENDEN, JR.,
Residence, 399 Pleasant Street.

CLERK OF BOARD OF ENGINEERS,

FREDERICK B. MACY,
Residence, 22 Parker Street.

MASTER MECHANIC,

DANIEL D. BRIGGS,
Residence, 43 Bedford Street.

ASSISTANT MASTER MECHANIC,

GEORGE H. PARKER,
Residence, 40 Parker Street.

DEPARTMENT ENGINEER,

HENRY J. MARSHALL,
Residence, 261 Fourth Street.

DEPARTMENT DRIVERS,

GEO. S. ALLEN,
297 Acushnet Avenue.

FRANK A. LEWIS,
Residence, 208 Kempton Street.

DEPARTMENT LINEMAN,

WILLIAM CURTIS,
Residence, 43 Wing Street.

CAPTAIN CENTRAL ENGINE HOUSE,

LORING T. PARLOW,
Residence, 39 High Street.

REPORT.

HEADQUARTERS FIRE DEPARTMENT,
CITY HALL, NEW BEDFORD,
December 31, 1901.

GENTLEMEN:—In compliance with the requirements of the City ordinance governing the Fire Department of the city, I herewith submit to you my twenty-fifth annual report of the condition and work performed by this department for the year 1901, together with a list of members, with their rank, number of badge, age, residence and occupation; location of hydrants and fire alarm boxes; a statement of receipts and expenses; fires and alarms; losses and insurance, as near as could be ascertained; and such suggestions as I think will be necessary for the good of the Department.

The Department is in very good condition in every particular, and I think I can safely say better than ever before. We have had a large number of fires, but the losses, when we consider the size of the city, have not been excessive. The discipline is good and everything seems to be running smoothly.

I regret to have to report the death of three members of the Department during the year. Chas. H. Card, hoseman on Engine Number Four, died January 27. Nathan C. Briggs, a member of Engine Company Nine, died November 7th; and Edw. F. Tripp, hoseman of Engine One, died November 17th.

Mary E. Tripp, infant daughter of Otis E. Tripp, was so overcome with smoke at a fire which occurred at No. 9 North Water street, on July 19th, that she died the next day.

Ida R. Moncrieff, aged 30, was so severely burned at a fire at 461 South Water Street, on the night of September 24th, that she died in the hospital the next day.

ACCIDENTS AND INJURIES.

N. H. Green, driver of Number Six Hose Wagon, was kicked in the stomach by one of his horses on Feb. 17th, and was off duty twenty-four days.

Martin J. Galvin, driver of Hook and Ladder Number Three, was thrown from his seat while responding to an alarm on the night of Jan. 18th. Off duty sixteen days.

Chas. E. Robertson, a member of Engine Company Two, was cut by an axe at a fire Jan. 18th. Off duty eight days.

Frank A. C. Green, driver of Engine Number Six, while responding to an alarm on the night of Aug. 7th, missed the sliding pole in the Engine House, and fell to the main floor, and was severely injured. Off duty seventy-four days.

Henry M. Whalon, ladderman on Truck Three, was injured at a fire on Oct. 1st. Off duty fourteen days.

FORCE OF THE DEPARTMENT.

The force of the Department consists of two hundred and twenty men, divided as follows: Forty-four permanently employed and one hundred and seventy-six call men.

APPARATUS.

The apparatus consists of eight steam fire engines, all in first-class order, one hand engine at the Head of the River, two two-wheeled and one four-wheeled hose reels, seven hose wagons, one combination chemical, three Hayes aerial ladder trucks in commission (one Ryan truck in reserve), nine exercise and coal wagons, and one telegraph wagon.

During the year all of the hose wagons have been in the shop and overhauled and put in thorough order and painted and varnished.

Number Five Engine has had a new set of smoke tubes, and Engines Two and Four have been touched up and varnished so the expense of repairs the coming year should be small.

HOUSES.

There are eight brick and one frame engine houses, all in good order, and will need little done to them the coming year.

HORSES.

There are forty-five horses belonging to the department, most of them in very good condition, but it will be necessary to purchase a few the coming year.

HARNESSES.

There are five sets of harnesses for three-horse hitches, thirteen for two-horses, and ten single harnesses, all in good order.

HOSE.

There are eighteen thousand feet of two and one-half inch cotton rubber-lined hose in good condition.

WATER SUPPLY.

The number of hydrants January 1st, 1901, was seven hundred and thirty-eight (738); added during the year twelve (12), making a total of seven hundred and fifty.

There are twenty-six (26) reservoirs in good condition to be used in an emergency.

FIRE ALARM.

This branch of the department is in very good condition. There has been a large amount of work done during the year in rebuilding and changing over lines. We have not run any underground cables the past year, but have fourteen thousand seven hundred (14,700) feet of lead-covered cable on hand ready to draw into the ducts as soon as the weather will permit.

Two new boxes have been added and placed as follows: No. 131 Acushnet avenue and Perry street; No. 136 Soule Mill, foot of Sawyer street.

The old boxes numbered 8–15–18–29–37–39–56–125, have been replaced by new ones of the non-interfering pattern.

We have now only seven of the old boxes which were put in when the Fire Alarm was installed thirty-two years ago, and I am anxious to replace them the coming year.

We have ninety-four (94) boxes, thirty (30) of which are private; twelve (12) bells and strikers; nine (9) fifteen

inch engine house gongs; eight (8) seven inch engineers' gongs and ten (10) small tappers.

UNDERGROUND FIRE AND POLICE CABLES.

LAID IN 1898 AND 1899.

1,117 feet	20 wire cable.
1,088 feet	16 wire cable.
515 feet	12 wire cable.
1,316 feet	10 wire cable.
2,358 feet	9 wire cable.
2,163 feet	7 wire cable.
833 feet	6 wire cable.
3,357 feet	5 wire cable.
832 feet	4 wire cable.
835 feet	3 wire cable.
1,762 feet	2 wire cable.
16,177	

LAID IN 1900.

4,673 feet	6 wire cable.
6,012 feet	2 wire cable.
9,242 feet	3 wire cable.
19,927	
Total, 36,104	

PROTECTIVE DEPARTMENT.

There has been considerable work for this department during the year, having had many fires in dwelling houses where it has been necessary to cover furniture, saving many thousands of dollars, not only for the insurance offices, but individuals.

The members have been very prompt in responding to all alarms.

RECEIPTS AND EXPENDITURES.

General appropriation	$78,000	
Receipts	739.40	$78,739.40
Expenditures	$78,737.83	
Transferred to unappropriated funds	1.57	$78,739.40

STATEMENT OF EXPENDITURES.

Salaries	$3,249.29	
Pay rolls	57,617.84	
Shoeing and blacksmithing	1,567.69	
Hay and straw	2,837.52	
Grain	1,617.52	
Supplies	2,015.48	
Lights	577.04	
Wood and coal	1,425.20	
Rents	144.00	
Telephones	394.05	
Fire alarm supplies	2,250.85	
Engine and wagon repairs	682.10	
Repairs of buildings	1,792.66	
Horses	675.00	
Horse hire	7.00	
Printing and incidentals	975.48	
Harnesses and repairs	432.59	
House furnishings	130.09	
Hose	346.43	$78,737.83

CONCLUSION.

To His Honor the Mayor and gentlemen of the City Council, for the interest taken in this department, to the Board of Engineers, for their hearty support, and to the officers and members of the Fire and Police departments, for the faithful manner in which they have performed all their duties, I return my most sincere thanks.

FREDERICK MACY,
Chief of Fire Department.

ONWARD STEAM FIRE ENGINE COMPANY, No. 1.

House on Purchase street, foot of Franklin street. Engine built by LaFrance Engine Co., Elmira, N. Y.; capacity 500 gallons per minute; weight of engine as drawn to fires 6,950 pounds; put into service August, 1896. Present company organized December 30, 1871.

Date of Joining.	No. of Badge.	Name.	Rank.	Age.	Residence.	Occupation.
April 24, 1893	10	James L. Haskins	Captain	36	536 Purchase st	Fireman
July 28, 1890	16	Charles H. Thomas	1st Lieut.	44	87 Locust st.	Roll coverer
July 30, 1894	13	Herbert C. Gifford	2nd Lieut.	29	75 Maxfield st.	Water Works foreman
Jan. 28, 1873	7	Julian A. Sweet	Clerk	53	134 State st.	Roll coverer
May 7, 1883	11	Fred'k W. Brightman	Hoseman	43	133 Kempton st	Paint maker
May 31, 1880	14	Charles A. Wilson	"	44	95 Walden st.	Carpenter
Dec. 29, 1884	19	John Whitehead	"	56	565 Purchase st	Mill hand
July 31, 1893	18	John Woolfenden	"	39	69 Dean st.	Jeweler
Mar. 25, 1895	6	Law'ce T. Woolfenden	"	28	70 Linden st.	Shoe dealer
Mar. 30, 1896	17	Thomas Walmsley	"	32	1 Ashland st.	Grocer
April 30, 1900	9	John F. Winn	"	26	24 High st.	Expressman
April 5, 1897	8	Edward L. Wilson	"	35	10 Myrtle st.	Painter
Feb. 26, 1900	15	George Palmer	Substitute	34	34 Robeson st.	Copper w'k'r
Nov. 25, 1901	12	Albert Woolfenden	"	24	97 Maxfield st.	Glass cutter
June 9, 1894	20	John H. Backus	Engin'man	50	211 Rivet st.	Engineman
June 9, 1894	21	Edward F. A. Cowen	Driver	52	53 Merrimac st.	Driver
Dec. 1, 1894	23	William H. Young	Driver	40	542 Purchase st	Driver
1901	22	Joseph L. Crowley	Stoker		252 Chestuut st	Plumber

PROGRESS STEAM FIRE ENGINE COMPANY, No. 2.

House, corner Purchase street and Mechanics lane. Engine built by the Manchester Locomotive Works, Manchester, N. H.; capacity 500 gallons per minute; weight of engine as drawn to fires, 7,000 pounds; put into commission November 6, 1884. Company organized October 27, 1860.

Date of Joining.	No. of Badge.	Name.	Rank.	Age.	Residence.	Occupation.
Sept. 7, 1874	32	Chas. F. Dean	Captain	45	59 Elm st.	Carriage painter
Jan. 12, 1892	30	Geo. W. Haskins	1st Lieut.	32	527 Purchase st	Carriage trimmer
July 1, 1896	35	Wm. L. Durfee	2nd Lieut.	28	144 Mill st.	Driver
April 22, 1896	37	Chas. E. Robertson	Clerk	26	238 Pleasant st.	Driver
Nov. 1, 1862	25	John Downey	Hoseman	64	119 No. 2nd st.	Driver
July 3, 1876	34	Moses Dean	"	47	202 Purchase st	Blacksmith
Nov. 7, 1898	36	Timothy S. Downey	"	23	119 No. 2nd st.	Clerk
Jan. 12, 1892	28	Henry A. Sherman	"	47	327 County st.	Blacksmith
July 2, 1894	31	John H. Dollard	"	46	150 No. 2nd st.	Marble cutter
April 22, 1896	33	Chas. P. Johnson	"	43	154 No. 2nd st.	Carpenter
Aug. 1, 1898	26	Alfred R. Morse, Jr.	"	29	19 Mill st.	Waiter
June 4, 1900	27	Richard F. Burke	"	32	399 West Middle st.	Laborer
April 1, 1901	24	Jos. S. Manning	Substitute	21	213 Court st.	Clerk
Oct. 7, 1901	29	Oscar S. Hammond	"	32	70 North st.	Carpenter
Aug. 23, 1892	38	Benj. E. Groves	Engineer	45	Engine house	Engineer
June 25, 1893	39	Chas. W. Allen	Driver	45	" "	Driver
June 28, 1899	DD	Chas. A. Haskins	Driver	38	" "	Driver

CORNELIUS HOWLAND STEAM FIRE ENGINE COMPANY, No. 4.

House, corner Sixth and Bedford streets. Engine built by the Manchester Locomotive Works, Manchester, N. H.; capacity 500 gallons per minnte ; weight of engine as drawn to fires, 7,000 pounds ; put into service May 20, 1884. Company organized February 1, 1867.

Date of Joining.	No. of Badge.	Name.	Rank.	Age.	Residence.	Occupation.
Aug. 29, 1871	44	Charles S. Wing	Captain	47	279 Acush't av.	Permanent
Jan. 13, 1896	52	Arthur C. Smith	1st Lieut.	25	78 So. Sixth st.	Electrician
July 25, 1898	47	Fred L. Jason	2nd Lieut.	23	111 So. 7th st.	Carpenter
Feb. 16, 1888	49	Frank C. Jennings	Clerk	35	19 Allen st.	Clerk
Nov. 10, 1879	53	Benjamin F. Hinckley	Hoseman	44	173 Fourth st.	Printer
Dec. 30, 1895	51	John E. Joseph	"	32	97 So. Sixth st.	Clerk
May 28, 1898	46	Walter F. Brownell	"	31	73 Dartmo'th st	"
May 28, 1894	45	Louis A. Vierick	"	30	Cor. Fifth and Grinnell sts.	Machinist
Jan. 5, 1894	50	Henry La Rocque	"	31	86 So. Sixth st.	"
July 2, 1894	48	Harrie B. Jennings	"	27	358 Reed st.	Clerk
Nov. 28, 1898	43	George A. Lowell	"	29	64 Forest st.	Trimmer
Jan. 28, 1901	42	James T. Wing	"	22	279 Acush't av.	Clerk
April 29, 1901	54	Charles A. Baker	Substitute	39	84 So. Sixth st.	Machinist
April 29, 1901	55	Edward L. Moriarty	"	20	174 Fourth st.	Clerk
Aug. 29, 1878	56	Alonzo V. Jason	Engineer	46	111 So. 7th st.	Engineer
June 29, 1867	57	Geo. H. W. Tripp	Driver	64	57 Bedford st.	Driver
April 1, 1889	59	William C. Kennedy	"	36	144 Bedford st.	"
Mar. 25, 1889	58	Leander Reed	Stoker	52	3 Bay st.	Clerk

ZACHARIAH HILLMAN STEAM FIRE ENGINE COMPANY, No. 5.

House, corner County and Hillman streets. Engine built by La France Steam Fire Engine Co., Elmira, N. Y.; capacity 500 gallons per minute; weight of engine as drawn to fires, 7,300 pounds; put into service March 10, 1894. Company organized December 13, 1873.

Date of Joining.	No. of Badge.	Name.	Rank.	Age.	Residence.	Occupation.
Dec. 31, 1888	70	Thomas H. Forbes	Captain	40	130 Summer st.	Permanent fireman
Feb. 9, 1891	60	George E. Macomber	1st Lieut.	49	167 Mill st.	Merchant
July 31, 1899	64	Samuel E. Gabriel	2nd Lieut.	39	1 Willis Court	Laundryman
Oct. 1, 1885	63	Joseph C. Forbes	Clerk	35	299 Chancery st	Clerk
Sept. 30, 1890	68	Thomas N. Meyers	Hoseman	39	48 Smith st.	Frame mak'r
Sept. 30, 1889	71	Obed S. Cowing	"	38	278 Mill st.	Carpet upholsterer
Feb. 1, 1893	61	Frank B. Chadwick	"	29	367 Kempton st	Baker
Jan. 26, 1893	69	John F. Gifford	"	46	226 Mill st.	Foreman
Dec. 31, 1894	66	Chas. H. Bowman	"	36	5 North st.	Fireman
Oct. 1, 1894	65	William L. Davis	"	39	106 Chestnut st	Painter
April 29, 1895	72	Louis H. Almy	"	29	8 Keene st.	Printer
Dec. 28, 1891	73	Ernest L. Soule	"	39	15 Keene st.	Wood work'r
April 27, 1896	67	Edward N. Bennett	Substitute	41	130 Summer st.	Clerk
Sept. 25, 1899	62	George H. Comstock, jr	"	23	102 Newton st.	Machinist
Jan. 7, 1874	75	Benj. F. King, jr.	Engine driver	63	Smith and Cottage sts.	Engine driver
Dec. 13, 1873	74	Martin Blanchard	Engineer	57	39 Smith st.	Engineer
May 1, 1882	76	Charles W. Jones	Stoker	45	379 Cottage st.	Wood work'r
Jan. 28, 1883	77	Martin S. Nelson	Wagon driver	44	Engine house	Wagon driver

FREDERICK MACY STEAM FIRE ENGINE COMPANY, No. 6.

House, on Fourth street, head of Potomska street. Engine built by Manchester Locomotive Works, Manchester, N. H.; capacity, 500 gallons per minute; weight of engine as drawn to fires, 7,100 pounds; put into service November 1, 1882. Company organized October 31, 1882.

Date of Joining.	No. of Badge.	Name.	Rank.	Age.	Residence.	Occupation.
Oct. 26, 1886	130	Edward W. O'Neil	Captain	41	276 Fourth st.	Glass cutter
Jan. 1, 1895	124	George H. Whalen	1st Lieut.	29	9 Warwick st.	Solderer
Aug. 8, 1898	133	Fred C. Edmandson	2nd Lieut.	29	22 Winsor st.	Metal work'r
Mar. 27, 1883	128	Joseph Jackson	Clerk	46	1 Bedford st.	Barber
Oct. 31, 1882	125	Marshall S. Green	Hoseman	47	233 Rivet st.	Mason
Oct. 31, 1882	132	Jason L. Ballou	"	56	37 Crapo st.	Carpenter
Oct. 31, 1882	135	Fred S. Nellson	"	35	43 Sherman st.	Mason
June 30, 1891	123	John F. Rogers	"	34	97 Acushnet av.	Undertaker
Dec. 15, 1892	121	Chas. E. Green	"	27	29 Rockland st.	Metal work'r
June 26, 1894	126	James Rock, Jr.	"	29	743 S. Water st.	Clerk
Mar. 31, 1892	138	Michael Stapleton	"	42	168 Cove st.	Salesman
Aug. 8, 1898	127	Robert E. Allen	"	23	157 Grinnell st.	
Mar. 27, 1899	122	Wm. C. Demello	Substitute	39	94 County st.	Clerk
Nov. 28, 1898	131	Michael Quinn	"		89 Mosher st.	Agent
	137	J. J. Crowley	Engineer	44	Potomska st.	
	142	J. J. Meaney	Stoker	32	25 Crapo st.	
	134	F. C. Green	Driver	35	87 Acushnet av	
	136	H. Herbert Green	Wagon	44	207 Rivet st.	

STEAM FIRE ENGINE COMPANY, No. 1.

House on Durfee street. Engine built by the Manchester Locomotive Works, Manchester, N. H.; capacity, 500 gallons per minute; weight of engine as drawn to fires, 7,000 pounds; put into service, September 1, 1890. Company organized September 1, 1890.

Date of Joining.	No. of Badge.	Name.	Rank.	Age.	Residence.	Occupation.
Sept. 1, 1890	205	M. C. Dahill	Captain	42	28 Richmond st	Fireman
Sept. 1, 1890	204	E. H. Booth	Lieut.	51	1 Vine st.	Car inspector
Sept. 1, 1890	206	J. H. Ryan	"	43	563 Cottage st.	Plumber
Jan. 3, 1893	195	J. N. O'Brien	Clerk	39	103 Robeson st.	Merchant
Sept. 1, 1890	207	C. A. Galligan	Hoseman	36	772 County st.	"
Sept. 1, 1890	209	J. D. Manseau	"	35	30 Durfee st.	Salesman
Sept. 1, 1890	211	Geo. A. Bosworth	"	38	20 Richmond st	Contractor
Dec. 11, 1890	203	C. L. Dunham	"	35	131 Merrim'c st	Plumber
Sept. 1, 1890	210	J. M. Whittaker	"	36	342 Cedar st	Laundryman
June 1, 1894	212	Thos. Lowe	"	55	170 Shawm't av	Plumber
Dec. 2, 1894	196	Wm. Semester	"	35	91 Robeson st.	Grocer
Mar. 1, 1891	197	A. F. Merchant	"	29	34 Durfee st.	Glass cutter
Mar. 1, 1891	198	Henry Leming	Substitute	31	15 Durfee st.	Laborer
July 2, 1891	208	J. C. Andrews	"	32	4 Durfee st.	Carpenter
Sept. 1, 1890	199	Jas. R. Goddard	Engineer	43	695 Cottage st.	Engineer
Sept. 1, 1890	200	W. H. H. S. King	Driver	37	126 Ashland st.	Driver
Sept. 1, 1890	201	Edw. H. Coggeshall	"	31	8 Collins st.	Driver
Sept. 1, 1890	202	Andrew Tripp	Stoker	49	45 Durfee st.	Shoemaker

STEAM FIRE ENGINE COMPANY, No. 8.

House, Acushnet avenue and Davis street. Engine built by La France Steam Fire Engine Co., Elmira, N. Y.; capacity, 500 gallons per minute; put into service December, 1, 1894. Company organized December 1, 1894.

Date of Joining.	No. of Badge.	Name.	Rank.	Age.	Residence.	Occupation.
Dec. 1, 1894	238	Geo. H. Cook	Captain	40	Acushnet ave. and Davis st.	Fireman
Jan. 21, 1896	252	John Hilton	1st Lieut.	39	995 Acush't av.	Mill hand
Dec. 1, 1894	246	Rob. M. Whimie	2nd Lieut.	43	61 Church st.	"
Dec. 1, 1894	244	M. McDonald	Hoseman	34	Austin and Cedar sts.	Merchant
Dec. 1, 1894	245	Thos. S. Riley	Clerk	33	527 Cottage st.	Agent
Dec. 1, 1894	242	N. Whalon	Hoseman	34	9 Robeson st.	Merchant
Dec. 1, 1894	241	James Slater	"	50	Purchase st.	"
Dec. 1, 1894	247	Ed. L. Hughes	"	34	192 Phillips av.	Laborer
May 28, 1897	248	Wm. McCann	"	43	North Front st	Merchant
May 1, 1896	251	John H. Finnell	"	34	1088 Acush't av	Clerk
May 1, 1896	253	John S. Francis	"	31	190 Coffin ave.	Mill hand
Dec. 1, 1894	243	Dan Connsidine	"	37	Park Hotel	Merchant
Feb. 22, 1900	249	Chas. J. Francis, Jr.	Substitute	27	184 Coffin ave.	Plumber
Dec. 10, 1901	254	Tim. O. Brien	"	37	Davis st.	Merchant
Dec. 1, 1894	239	Squire Gifford	Driver	45	8 Engine house	Fireman
Dec. 1, 1894	250	Antonio M. Lemos	Driver	37	8 " "	"
Dec. 1, 1894	237	Wm. R. Moore	Engineer	38	1129 Acus't av.	"
Dec. 1, 1894	240	J. Watkinson	Stoker	36	441 Pleasant st.	"

HANCOCK ENGINE COMPANY, No. 9.

House located at Acushnet. Engine built by John Agnew of Philadelphia in 1843. Engine removed to Acushnet January 18, 1861, and a company was organized to man her at that time. Company reorganized December 14, 1878.

Date of Joining.	No. of Badge.	Name.	Rank.	Age.	Residence.	Occupation.
Nov. 28, 1865	147	Francis P. Washburn	Captain	58	Acushnet ave.	Carpenter
Dec. 14, 1878	160	Herbert M. Spooner	1st Lieut.	43	River st.	Box maker
Sept 3, 1883	151	John G. Whalon	2nd Lieut.	39	Acushnet av.	"
Feb. 28, 1870	146	John A. Russell	Clerk	51	"	Farmer
Nov. 20, 1874	158	Lemuel A. Washburn	Suction hoseman	63	"	Teamer
Dec. 4, 1882	164	George W. Hawes	"	48	"	"
Feb. 4, 1889	161	William P. Reed	"	50	Tarkiln Hill rd	"
Dec. 14, 1878	153	William T. Gifford	Leading hoseman	55	Mill Road	Farmer
May 3, 1886	155	George H. Gifford	"	30	Acushnet ave.	Carpenter
Aug. 16, 1895	150	Allen G. Briggs	"	36	"	Blacksmith
May 31, 1892	157	Walter H. Darling	Steward	36	Main st.	Box maker
Dec. 14, 1878	152	James A. Wilbur	Brakeman	56	Mill Road	Laborer
Dec. 22, 1897	166	Frank L. Reed	"	26	Tarkiln Hill rd	Carpenter
Dec. 6, 1886	145	John F. Parker	"	32	Main st.	Painter
May 30, 1870	148	Andrew B. Grinnell, Jr	"	62	Acushnet ave.	Clerk
Dec. 14, 1878	165	Allen Russell, Jr.	"	44	"	Farmer
Sept. 25, 1893	162	Frederick W. Bowles	"	36	"	Sawyer
May 4, 1885	156	Henry E. Reed	"	34	Mill Road	Mason
Sept. 16, 1895	154	Edwin F. Davis	"	35	Tarkiln Hill rd	Laborer
Sept. 24, 1900	159	Frank E. Washburn	"	24	Acushnet ave.	Carpenter
Nov. 26, 1900	149	Clifford E. Reed	"	19	Hawes lane	Laborer
Dec. 31, 1900	163	Floyd E. Darling	"	21	Acushnet ave.	Grocer
Oct. 28, 1901		Avery O. Parker	Substitute	30	Tarkiln Hill rd	Carpenter
Nov. 25, 1901		Walter H. Hawes	"	20	Acushnet ave.	Laborer

HOOK AND LADDER COMPANY, No. 1.

House, corner Purchase street and Mechanics lane. Carriage built by La France Steam Fire Engine Co., Elmira, N. Y.; put into commission April 29, 1895.

Date of Joining.	No. of Badge.	Name.	Rank.	Age	Residence.	Occupation.
June 24, 1883	105	Edward D. Francis	Captain	46	86 Kempton st.	Shoemaker
Feb. 1, 1897	89	David A. Cobb	1st Lieut.	33	West Elm st.	Painter
April 26, 1896	88	Harry F. Chase	2nd Lieut.	29	62 North st.	Teamster
Mar. 27, 1899	100	William C. Coon	Clerk	36	69 Foster st.	Painter
Jan. 31, 1870	87	Lysander W. Davis	Ladderm'n	66	106 Chestnut st	Carpenter
June 24, 1889	104	William L. Fletcher	"	36	223 North st.	Grinder
Nov. 29, 1886	103	Alfred M. Gifford	"	38	148 Maxfield st.	Teamster
Aug. 25, 1865	102	Charles J. Johnson	"	69	544 Cottage st.	Sparmaker
Jan. 1, 1895	98	Edward C. Negus, Jr.	"	29	72 Walden st.	Clerk
Jan. 5, 1884	101	Frank Spooner	"	46	West North st.	Painter
Aug. 7, 1863	86	Philip M. Tripp	"	63	173 Arnold st.	Teamster
April 26, 1897	106	William F. Wilcox	"	46	Bancroft House	Hostler
Jan. 1, 1900	107	Edward F. Magrath	Substitute	42	15 Spruce st.	Shoemaker
Feb. 1, 1900	91	George A. Babcock	"	29	66 Mechanic ln.	Teamster
Feb. 13, 1895	97	Isiac R. Allen	Driver	42	120 High st.	Hostler
Sept. 11, 1900	40	Frederick E. Ricketson	Tillerman	27	139 Purchase st	

HOOK AND LADDER COMPANY, No. 2.

House on Weld street. Carriage built by La France Steam Fire Engine Co., Elmira, N. Y.; put into commission August 30, 1888. Present company organized September, 1888.

Date of Joining.	No. of Badge.	Name.	Rank.	Age.	Residence.	Occupation.
Sept. 1, 1888	175	Martin H. Sullivan	Captain	43	78 North st.	Contractor
Sept. 8, 1893	176	Edward M. Murphy	1st Lieut.	36	Richmond st.	Clerk
Sept 1, 1892	174	Charles H. McCarty	2nd Lieut.	30	Clark and State sts.	Driver
Sept. 1, 1888	180	Peter F. Sullivan	Clerk	41	328 Cedar st.	Weigher
"	177	John S. Harrington	Ladderm'n	42	Weld and Pleasant sts.	Grocer
"	178	David Warren	"	44	252 State st.	Stable keeper
May 1, 1890	184	Frank R. Pease	"	43	923 Acush't av.	Druggist
Mar. 1, 1892	173	William Sellecks	"	32	136 N. Front st.	Teamer
Dec. 18, 1894	181	John T. Conway	"	26	"	Plumber
June 1, 1897	179	Michael J. Sullivan	"	42	190 Mer'mac st.	Carpenter
Oct. 1, 1895	183	John E. Murphy	"	30	209 Cedar Grove st.	Clerk
May 1, 1896	172	James H. Mahoney	"	25	Clark and Mt. Pleasant sts.	Plumber
Sept 1, 1898	182	Mark E. Sullivan	Substitute	27	Cottage and Merrimac sts.	Contractor
Dec. 13, 1898	171	John H. Galligan	"	32	62 Durfee st.	Clerk
Oct. 9, 1894	108	George H. Nickerson	Driver	33	284 Weld st.	Driver
Sept. 15, 1895	215	Jeremiah T. Haggerty	Tillerman	32	219 Bowditch st	Tillerman

HOOK AND LADDER COMPANY, No. 3.

House on Fourth street, head of Potomska. Carriage built by La France Steam Fire Engine Co., Elmira, N. Y.; put into commission November 1, 1891. Company organized November 1, 1891.

Date of Joining.	No. of Badge.	Name.	Rank.	Age	Residence.	Occupation.
May 1, 1899	220	John W. Donaghy	Captain	35	Engine House	Captain
Nov. 1, 1891	218	John O'Neil	1st Lieut.	37	276 Fourth st.	Glass cutter
Feb. 7, 1898	223	Henry M. Whelan	2nd Lieut.	24	216 County st.	Mason
Nov. 1, 1891	219	Daniel E. Nelson	Clerk	37	314 S. Second st	Mason
Aug. 2, 1897	226	Edward M. Slocum	Ladderm'n	30	18 Sherman st.	Civil Engin'r
Nov. 1, 1891	222	Henry R. Lindsey	"	39	211 County st.	Carpenter
Nov. 1, 1891	221	Henry C. Chase	"	37	167 Grinnell st.	Clerk
Jan. 7, 1895	217	Nelson L. Pike	"	37	House, Rural Cemetery	Sexton
July 8, 1897	228	Frank X. Lavoie	"	42	194 County st.	Painter
April 5, 1897	227	William H. Greene	"	24	186 County st.	Clerk
Nov. 7, 1898	230	William N. Nelson	"	39	46 Oak st.	Mason
Feb. 1, 1892	225	Stephen J. Cassidy, Jr.	"	36	25 Welcome st.	Painter
June 5, 1899	229	Owen J. Dowd	Substitute	33	704 So. First st.	Barber
Oct. 1, 1900	224	George Savoie	"	31	39 Independent st	Painter
Dec. 10, 1901	232	Charles C. Greene	Driver	27	Engine House	Driver
April 1, 1897	231	George H. Baylies	Tillerman	30	"	Tillerman

CHEMICAL ENGINE COMPANY, No. 1.

House, corner Purchase street and Mechanics lane. Wagon built by Charles F. Halloway, Baltimore, Md.; put into commission July 1, 1895. Company organized December 31, 1871.

Date of Joining.	No. of Badge.	Name.	Rank.	Age.	Residence.	Occupation.
May 19, 1896	80	David W. Howland	Captain	65	219 Kempton st	Blacksmith
"	81	John B. Oliver	Clerk	37	297 Cottage st.	"
"	83	John P. Thompson	Hose	42	168 Middle st.	Painter
"	82	Charles E. Thomas	"	47	39 Newton st.	Carpenter
"	84	Fred E. Mosher	Driver	42	194 High st.	Hostler

HOSE COMPANY, No. 2.

House, corner of Weld and Bowditch streets. Wagon built by Brownell, Ashley & Co., New Bedford; put into commission, December 1, 1888. Company organized December 3, 1888.

Date of Joining.	No. of Badge.	Name.	Rank.	Age.	Residence.	Occupation.
Dec. 3, 1888	17	Reuben Taber	Captain	45	Engine House	Permanent
"	186	Stephen L. Finnell	1st. Lieut.	42	17 Reynolds st.	Salesman
"	187	Bartholomew P. Fury	2nd. Lieut.	39	117 Pleasant st.	"
"	192	George C. Heurns	Clerk	29	72 Hazzard st.	Engineer
Aug. 1, 1893	189	John Watson	Hoseman	44	32 Ashland st.	Merchant
April 2, 1895	190	William Moore	"	26	94 Austin st.	Teamer
Nov. 3, 1897	191	Michael Daley	"	33	141 Davis st.	Carpenter
Sept. 1, 1901	188	Hyman Mechaber	Substitute	27	83 Kenyon st.	Salesman
Dec. 12, 1893	194	Arthur McDonald	Driver	30	Engine House	Permanent

NEW BEDFORD PROTECTING SOCIETY.

President, Charles S. Kelley ; 1st Director, William A. Robinson ; 2nd Director, Charles H. Lawton ; 3rd Director, Edward T. Pierce ; 4th Director, Charles M. Haskell ; 5th Director, Edmund F. Maxfield ; 6th Director, Edmund Wood ; 7th Director, John H. Lowe ; Secretary and Treasurer, Edmond L. Wilde.

Thos. B. Akin
Gideon Allen, Jr.
George H. H. Allen
James H. Bamford
William Bamford
Lewis E. Bently
George W. Bennett
O. Frank Bly
Standish Bourne
R. C. P. Coggeshall
Henry C. Denison
Ernest A. Dunham
Fred C. Dunham
Joseph Dias
John Eldridge, Jr.
James P. Francis
Edward R. Gardner
Frank H. Gifford
Charles H. Gifford
Thos. J. Gifford
A. W. Hadley
Charles H. Holden
John J. Howland
Edgar B. Hammond
Henry F. Hammond
H. S. Hutchinson
Jas. L. Humphrey, Jr.
Thomas H. Knowles
G. D. Kingman
Edgar R. Lewis
William J. Lewis
Philander F. Manchester
Frederick B. Macy
J. Roland Macy
George I. Macy
Willard Nye, Jr.
Otis N. Pierce
William F. Potter
Edward F. Penney
William H. Pitman
Charles L. Paine
David L. Parker
Stephen D. Pierce
George A. Phillips
William F. Read
Morgan Rotch
Arthur E. Robbins
Louis H. Richardson
Gardner T. Sanford
Alex T. Smith
Rob't Snow
Daniel J. Sullivan
Frederic Taber
William T. Taylor
F. E. Thilo
Alfred Thornton
Alfred G. Wilbor
Albert F. Wilde
Horace Wood
Frederic A. Washburn
Thomas F. Wood
William R. West
Mark T. Vincent

Corrected to January 1, 1902.

EDMOND L. WILDE,
Secretary.

Fire Alarms, Losses and Insurance for 1901.

The losses by fire for the year ending Dec. 31, 1901, was on buildings, $18,302.69. Insurance on buildings, $170,900. On contents, $12,568.66. Insurance on contents, $49,250. Total loss, $30,-861.35. Total insurance, $220,150. Number of bell alarms, 95. Number of still and telephone alarms, 98. Total 193.

Jan. 3, 10.40 A. M. (Still.) Chimney fire, house 122 Clinton st., owned by Thos. H. Eckfeldt, and occupied by F. W. Wentworth. Responded to by Hose 4. Loss on contents, $100. Insurance, $13,000.

Jan. 8, 12.02 P. M. Box 36. Fire in house 3 Walnut st., owned by Peter Scott, and occupied by Geo. F. Gibbs. Cause, overheated stove pipe. Responded to by Engines 2 and 4, Ladder 1, Chemical 1. Loss on building, $15. No insurance.

Jan. 13, 8.55 A. M. (Still.) Chimney fire in house 25 Sycamore st., owned and occupied by Jas. L. Hathaway. Responded to by men from Engine 5. No loss.

Jan. 13, 5.55 P. M. (Still.) Fire in house 354 County st., owned by Mrs. Henry M. Bonney, and occupied by Mrs. H. M. Bonney and E. C. Brownell. Cause, overheated furnace pipe. Responded to by men from Station 4.

Jan. 14, 5.20 P. M. (Still.) Fire at 104 Weld st , owned by J. K. Smith, and occupied by Harry Bloom. Cause, lamp. Responded to by men from Weld St. Station. Loss on building, $7.50. Insurance, $300. Loss on contents, $76.72. Insurance, $1,500.

Jan. 16, 10.35 P. M. (Still.) Fire in brick building 41 William st., owned and occupied by Automatic Telephone Co. Cause, switch-board. Responded to by Chemical 1. Loss on building, $93.50. Insurance, $20,000. Loss on contents, $1,000. No insurance.

Jan. 18, 10.02 P. M. Box 58. Fire in house 945 So. Water st., owned by Carrie L. Bromley, and occupied by Jos. Munro and Mrs. P. Rappano. Cause, hanging lamp. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, $250. Insurance, $2,300. Loss on contents, $25. No insurance.

Jan. 19, 6.30 P. M. (Still.) Fire in unoccupied tenement, rear 20 Beetle st., owned by Jas. McDonnell. Caused by thawing out water pipes. Responded to by men from Weld St. Station. Loss on building, $31.37. Insurance, $2,000.

Jan. 20, 7.10 P. M. (Still.) Fire in house 95 Hawthorne st., owned and occupied by John B. Rhodes. Cause, chimney. Responded to by men from Station 4. No loss.

Jan. 22, 8.15 P. M. (Still.) Chimney fire, house 5 Fifth st., owned by Estate Ward M. Parker, and occupied by K. P. Jourdain. Responded to by Chemical 1. No loss.

Jan. 24, 3.30 P. M. (Still.) False alarm. Responded to by Chemical 1, Ladder 1.

Jan. 25, 9.55 A. M. Box 134. Fire in house 7 Bullard st., owned by A. Poirier, and occupied by Octave Perrault. Cause, boys set fire to couch. Responded to by Engines 1 and 8, Ladder 2, Hose, 2, Chemical 1. Loss on building, $23. Insurance, $2,000. Loss on contents, $15. No insurance.

Jan. 28, 5.10 P. M. (Still.) Chimney fire 27 Crapo st., house owned and occupied by Arthur E. Buffington. Responded to by men from Station 6. No loss.

Feb. 1, 7.35 P. M. (Still.) Chimney fire, house on Union st., owned and occupied by A. E. Perry. Responded to by men from Central Station. No loss.

Feb. 1, 6 P. M. (Still.) Chimney fire, paint shop, 21 So. Second st., owned by Wm. Macomber, and occupied by M. Brownell Co. Responded to by Chemical 1. No loss.

Feb. 4, 6.45 P. M. (Still.) Chimney fire, house 11 Granfield st., owned by K. Cohen, and occupied by K. Bassett. Responded to by men from Weld St. Station. No loss.

Feb. 5, 9.45 A. M. (Still.) Fire in house 64 Bullard st., owned by John Connell, and occupied by Andre Poirier. Cause, boys and matches. Responded to by men from Station 8. No loss.

Feb. 9, 3.33 P. M. Box 27. Fire in grocery and dwelling, Middle st. and Acushnet ave., owned by Lot Bates, and occupied by him

and W. O. Brightman. Cause, broken lantern. Responded to by Engines 2 and 4, Ladder 1, Chemical 1. Loss on building, $1,550. Insurance, $2,000. Loss on contents, $2,275. Insurance, $2,700.

Feb. 10, 1.05 A. M. Box 227. Fire in stable, Water st., foot of North, owned by Richmond V. Wilcox Wharf Co., and occupied by R. G. Brightman. Cause, unknown. Responded to by Engines 1, 2 and 5, Ladder 1, Chemical 1. Loss on building, $2,000. Insurance, $1,000. Loss on contents, $1,295. Insurance, $500.

Feb. 10, 3.50 P. M. (Still.) Same fire. Responded to by Chemical 1.

Feb. 10, 8.18 A. M. Box 9. Fire in house 714 Acushnet ave., owned by T. Gauthier. Cause, sparks. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. Loss on building, $88.28. Insurance, $1,500.

Feb. 11, 5.45 P. M. (Still.) Fire in hay from previous fire, Water st., foot of Middle st. Responded to by Chemical 1.

Feb. 11, 5.59 P. M. Box 58. Smoke in building N. W. Cor. So. Water and Cove sts., owned by Poisson Bros., and unoccupied. Cause, smoke from drying stove. Responded to by Engines 4 and 6, Ladder 3, Hose 3, Chemical 1. No loss.

Feb. 12, 2.10 P. M. (Still.) Fire in house 216 State st., owned by J. B. Sullivan, and occupied by Timothy Dwyer. Cause, thawing out frozen water pipes. Responded to by men from Weld St. Station. No loss.

Feb. 14, 2.32 P. M. Box 14. Fire in house 656 Acushnet ave., owned by C. H. Hall, and occupied by Mr. Godreau. Cause, back draft. Responded to by Engines 1 and 5, Ladder 1, Chemical 1. No loss.

Feb. 15, 3.30 P. M. (Still.) Chimney fire, house corner of William and Eighth sts., owned and occupied by Dr. Potter. Responded to by Chemical 1. No. loss.

Feb. 19, 8 P. M. Box 52. Chimney fire, house 393 So. Second st., owned by Frank Rose, and occupied by Abram Samonsky. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, $182.45. Insurance, $1,500. Loss on contents, $35. No insurance.

Feb. 20, 5.18 P. M. Box 28. Fire in house 27 Cedar st., owned by Wm. Goddard, and occupied by Mrs. C. Gustavason. Cause, smoking on lounge. Responded to by Engines 2 and 5, Ladder 1, Chemical 1. Loss on contents, $40. Insurance, $500.

Feb. 23, 5.55 P. M. (Still.) Grass on fire cor. Ruth st. and Brock ave., owned by Levi Salisbury. Responded to by men from Station 6.

Feb. 23, 1.20 A. M. (Still.) Fire in house 90 Parker st., owned by W. J. Norton, and occupied by Wm. Upjohn. Cause, matches and pipe in coat. Responded to by men from Station 7. Loss on building, $18.60. Insurance, $1,500.

Feb. 23, 11.10 A. M. (Still.) Fire in fish market 39 Weld st., owned by Cook and Smith, and occupied by C. W. McDermott. Cause, smoke house in cellar. Responded to by men from Weld St. Station. Loss on contents, $35. Insurance, $400.

Feb. 25, 7.48 A. M. Box 48. Fire in grocery and tenement 600 So. Water st., owned by Mrs. L. P. Palmer, and occupied by John Joseph, 2d. Cause unknown. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, $10. Insurance, $1,600. Loss on contents, $50. Insurance, $400.

Feb. 27, 8.30 A. M. Box 129. Fire in shed, Purchase st. and Coffin ave., owned and occupied by Oneko Mill. Cause, explosion of naphtha. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. Loss on building, $400. Contents, $100. No insurance.

Feb. 28, 5.30 P.M. (Still.) Chimney fire, 191 Hawthorne st., owned and occupied by E. W. Hervey. Responded to by men from Station 4. Loss on building, $99.20. Insurance, $1,200.

Feb. 28, 1.50 A. M. Box 46. Fire in house 55 Howland st., owned by Annie Maisma and occupied by Jos. Enos and others. Cause, caught from chimney. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

March 1, 7.45 P. M. (Still.) Chimney fire in building 290 Purchase st., owned by O. H. Brown Estate, and occupied by Thos. Soule. Responded to by men from Station 1.

March 1, 2.20 P. M. Box 52. Fire in house 240 Fourth st., owned and occupied by Timothy Sheehan. Cause, stove in cellar. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, $400. Insurance, $1,500. Loss on contents, $150. No insurance.

March 3, 9.47 P. M. (Still.) Fire in house 64 Thomas st., owned by Estate Robert Allen, and occupied by John H. Barrows. Cause, chimney. Responded to by men from Engine 5. No loss.

March 4, 7.35 P. M. Box 35. Fire in laundry 29 Acushnet ave., owned by F. Wm. Oesting, and occupied by Parsons Steam Laundry. Cause, chimney. Responded to by Engines 2 and 4, Ladder 1, Chemical 1. Loss on building, $250. Insurance, $7,000. Loss on contents, $200. Insurance, $5,000.

March 4, 12.20 P. M. Box 48. Fire in house 29 South st., owned by Frank Perry, and occupied by Jerry Caton. Cause, smoking on lounge. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

March 6, 7.10 P. M. (Still.) Fire in house 122 Clinton st., owned by Thos. H. Eckbeldt, and occupied by F. W. Wentworth. Cause, overheated furnace pipe. Responded to by men from Engine 4. No loss.

March 8, 7 P. M. Box 125. Fire in house rear 8 Hicks st., owned by M. Laboo, and occupied by J. Lagaffy and others. Cause, overheated stove pipe. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. Loss on building, $175, Insurance, $2,500.

March 10, 7.16 P. M. Box 59. Fire in store 116 Dartmouth st., owned and occupied by Joseph Andre. Cause unknown. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, $175. Insurance, $1,500. Loss on contents, $523.60. Insurance, $1,100.

March 11, 5.50 A. M. Box 123. Chimney fire, 5 Nye st., owned and occupied by Louis Fredette. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. No loss.

March 11, 9.45 A. M. (Still.) Chimney fire, house 91 Orchard st., owned and occupied by Mrs. W. C. N. Swift. Responded to by men from Station 4. No loss.

March 11, 3.12 P. M. Box 9. Fire in house foot of Turners court, owned by L. E. Milliken Estate, and occupied by Wolf Swartz. Cause, overheated stove. Responded to by Engines 1 and 8, Hose 2, Chemical 1. Loss on building, $55.50. Insurance, $1,500.

March 24, 7.16 A. M. Box 34. Fire at 10 and 12 So. Water st., owned by Sylvia Ann Howland Estate, and occupied by Chas. Taber and Mrs. Harrold. Cause, sparks from chimney. Responded to by Engines 2 and 4, Ladder 1, Chemical 1. No loss.

March 24, 7.45 A. M. Box 9. Fire in building at railroad crossing, Wamsutta st., owned by N. Y., N. H. & H. Railroad. Cause,

unknown. Responded to by Engines 1 and 8, Ladder 2, Hose, 2, Chemical 1. Loss on building $25. No insurance.

March 26, 5.30 P. M. (Still.) Chimney fire in house 24 Purchase st., owned and occupied by Mrs. Spaulding. Responded to by Chemical 1. No loss.

April 3, 8.04 A. M. Box 127. Fire in house 426 Pleasant st., owned by Jas. Armitage, and occupied by Alfred Livelle. Cause, gasoline stove exploded. Responded to by Engines 1 and 7, Ladder 2, Hose 2, Chemical 1. Loss on building, $62.75. Insurance, $2,000. Loss on contents, $55. Insurance, $1,000.

April 7, 2.12 A. M. Box 48. Fire in store and tenement 65 Grinnell st., owned by Philip Lawrence, and occupied by John A. Perry and Moisio Mecbio. Caused from lamp. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, $26.50. Insurance, $500. Loss on contents, $75. Insurance, $500.

April 16, 3 P. M. (Still.) Fire in store and tenement 804 Purchase st., owned by B. Dawson, and occupied by Peter Perro. Cause, stove. Responded to by men from Weld St. Station. No loss.

April 17, 3.45 P. M. (Still.) Fire in barn and shed in Dartmouth, near Cove road, owned by Xavier Boivin, and occupied by Jos. Hemenway. Cause, wet hay. Responded to by Engine 6 and Hose 4.

April 21, 11.03 A. M. Chimney fire, house 3 Franklin st., owned by Annie W. Tilton, and occupied by Octave Peloquin. Responded to by men from Station 1. Loss on building, $20. Insurance, $500.

April 26, 9.07 A. M. Box 27. Fire in house No. Front st., owned by Frank Cornell, and occupied by Robert Kenney. Cause, bed caught from chimney. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. Loss on building, $13.50. Insurance, $2,000.

April 26, 10 A.M. (Still.) Fire in house 33 Grove st., owned by Miss Ruth Murray, and occupied by W. I. Lyons. Cause, foul chimney. Responded to by men from Station 4. No loss.

April 28, 1.50 P.M. Box 129. Brush fire near Oneko Mill. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. No loss.

April 30, 11.25 A.M. (Still.) Fire corner of Rivet and Bolton road, owned by N. E. Cotton Yarn Co. Cause unknown. Responded to by men from Station 6.

May 1, 8 P. M. Box 38. Fire in schoolhouse corner Fifth and Russell sts., owned by City. Cause probably incendiary. Responded to by Engines 2 and 4, Ladder 1, Chemical 1.

May 5, 11 P. M. (Still.) Fire in city dump, foot of Wall st. Set by boys. Responded to by men from Station 1.

May 6, 6.40 P. M. (Still.) Fire in building 19 Weld st., owned by Cook & Smith, and occupied by Chas. Jubinville. Cause gas jet. Responded to by men from Weld Street Station. No loss.

May 15, 6.50 P. M. (Still.) Brush fire, Paige st , owned by Thos. R. Plummer. Cause, unknown. Responded to by men from Station 4. No loss.

May 16, 10.30 A. M. (Still.) Fire in house 15 Logan st., owned by Wamsutta mills, and occupied by Jos. Boivin. Cause, defective stove pipe. Responded to by men from Weld St. Station. No loss.

May 17, 10.25 P. M. Box 57. False alarm. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

May 18, 3.52 P. M. (Still.) Fire in house 97 Hillman st., owned and occupied by Alex T. Smith. Cause, back draft. Responded to by men from Station 5.

May 20, 3.53 P. M. Box 226. Fire in shed cor. Rodman and No. Front st., owned and occupied by J. H. Rhodes. Cause, boiling oil caught from fire. Responded to by Engines 1, 2 and 5, Ladder 1, Chemical 1.

May 24, 9.23 A. M. Box 123. Fire in hen house, rear 72 Dean st., owned and occupied by Joseph Quintin. Cause, children and matches. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. No loss.

May 27, 12.15 P. M. (Still.) Fire in house Hillman and Second sts., owned by Wm. F. Nye, and occupied by Mrs. Riley and others. Cause, broken oil lamp. Responded to by Chemical 1. No loss.

June 4, 1.20 P. M. Box 26. Fire in house 71 Middle st., owned by Elisha Gifford Estate, and occupied by Manuel F. Goulet. Cause, ash barrel. Responded to by Engines 2 and 5, Ladder 1, Chemical 1. No loss.

June 5, 11.15 A. M. (Still.) Fire in building cor. William st. and Acushnet ave., owned by Jas. Greenwood Estate, and occupied by Mrs. A. L. Lauvel. Cause, back draft. Responded to by Chemical 1. No loss.

June 8, 7 A. M. (Still.) Fire in house 123 Bentley st.. owned by Alphonse Perrault, and unoccupied. Cause, slacking lime. Responded to by men from Weld St. Station.

June 10, 1.03 P. M. Box 52. Fire in house on So. First st., owned by Peter Damon, and occupied by Louis Bourassa. Cause, spark dropped in bed. Responded to by Engines 4 and 6. Ladder 3, Chemical 1. Loss on building, $45.75. Insurance, $2,000. Loss on contents, $52.40. Insurance, $500.

June 13, 11.30 A. M. (Still.) Fire at hall corner Blackmer and So. First Sts., owned by St. Jean Baptiste Society. Cause, spark in rubbish under steps. Responded to by men from Station 6. No loss.

June 16, 4.47 P. M. Box 31. Fire in office 346 Acushnet ave., owned by W. B. Macomber, and occupied by Spinners' Union. Cause, unknown. Responded to by Engines 2 and 4, Ladder 1, Chemical 1. Loss on building, $200. Insurance, $13,000. Loss on contents, $20.50. Insurance, $500.

June 18, 2.15 P. M. (Still.) Chimney fire, house 32 Eighth st., owned by Benj. Almy Estate, and occupied by Mrs. Dr. Wheeler. Responded to by Chemical 1. No loss.

June 19, 2.35 P. M. (Still.) Fire in brush cor. Bolton road and Rivet st., owned by New England Cotton Yarn Co. Cause, set by children. Responded to by men from Station 6. No loss.

June 20, 3.30 A. M. Box 24. Fire in blacksmith shop 447 Kempton st., owned by John Burgess, and occupied by H. Donaghy. Cause, caught from brick oven. Responded to by Engines 2, 5 and 7, Ladder 1, Chemical 1. Loss on building, $280.10. Insurance, $400. Loss on contents, $198.95. Insurance, $450.

June 26, 12.02 P. M. Box 46. Fire in blacksmith shop, owned by Amos R. Caswell and occupied by A. R. and N. F. Caswell. Cause, spark from chimney. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

June 27, 10.20 A. M. (Still.) Fire in printing office 44 Mill st., owned and occupied by D. J. Dinnigan. Cause, spark from chimney. Responded to by Chemical 1. No loss.

June 29, 8.29 P. M. Box 46. Fire in tenement 428 So. Water st. Cause, toy balloon. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

July 2, 7.53 P. M. Box 48. Fire in building 573 So. Water st., owned by Mary P. Souza, and occupied by Frank Corria Mulberry.

Cause, spontaneous combustion. Responded to by Engines 4 and 6, Ladder, 3, Chemical 1. No loss.

July 3, 11.04 P. M. Box 46. Fire in stable rear 21 Morgan lane, owned and occupied by Harris Risczewitz. Cause, fireworks. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, $25. Insurance, $200. Loss on contents, $10. Insurance, $200.

July 4, 8.25 P. M. (Still.) Chimney fire house 12, Babbitt st., owned by Geo. F. Cole. Responded to by men from Station 4. No loss.

July 4, 10.50 P. M. (Still.) Fire in house 12 Babbitt st., owned by Geo. F. Cole. Cause, chimney. Responded to by men from Station 4. No loss.

July 4, 6.40 P. M. (Still.) Fire at 870 Acushnet ave., P. O. Leary. Cause, fireworks. Responded to by men from Weld St. Station. Loss on building, $9.04. Insurance, $4,000.

July 4, 2.06 P. M. Box 31. Fire in house 230 Union st., owned by Dr. Geo. F. Winslow, and occupied by Miss F. L. Gibbs. Cause, fireworks. Responded to by Engines 2 and 4, Ladder 1, Chemical 1. Loss on building, $169.25. Insurance, $3,600. Loss on contents, $41.75. Insurance, $1,000.

July 4, 7.30 A. M. Box 3. Fire in house W. S. County road, owned by Heirs Jno. Parker, and occupied by Julia Parker. Cause, unknown. Responded to by Engine 9. Loss on building, $1,000. Loss on contents, $200. No insurance.

July 5, 7.30 P. M. (Still.) Fire in house 497 So. Water st., owned by Annie Howitz, and occupied by Mary Ann Menes. Cause, chimney. Responded to by men from Station 6. No loss.

July 10, 11 A. M. (Still.) Fire in house 85 No. Front st., owned by Wamsutta Mills. Cause, sparks from chimney. Responded to by men from Weld St. Station. No loss.

July 19, 6.17 P. M. Box 34. Fire in paint shop and tenement 9 No. Water st., owned by Sylvia Ann Howland Estate, and occupied by F. T. Akin & Co., O. E. Tripp, and J. W. Lucas. Cause, electric light wires. Responded to by Engines 2 and 4, Ladder 1, Chemical 1. Loss on building, $880.40. Insurance, $1,000. Loss on contents, $416.82. Insurance, $500.

July 23, 8.13 A. M. Box 126. Fire in house 16 Marvin st., owned by Samuel Ross, and occupied by Benj. Hesford. Cause, oil stove.

Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. No loss.

July 29, 3.05 P. M. Box 39. Fire in house 219 Acushnet ave., owned by John J. Powers, and occupied by J. J. Powers and Walter Buckley. Cause, incendiary. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, $53.66. Insurance, $2,000.

July 30, 1.57 P. M. Box 57. Fire in house 16 Nelson st., owned by Philip Geneski, and occupied by Henrigue Souza and others. Cause, defective chimney. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, $50. Insurance, $1,500.

Aug. 7, 11 A. M. (Still.) Fire in sand catcher, cor. County and Clinton sts., set by boys. Responded to by Chemical 1.

Aug. 7, 10 08 P. M. Box 58. Fire in house 1043 So. Water st., owned by Patrick Grant, and occupied by P. A. Newcomb. Cause, overturned lamp. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

Aug. 9, 3 P. M. (Still.) Fire in dump heap rear of Potomska Mills. Cause, set by boys. Responded to by men from Station 6.

Aug. 11, 9.45 A. M. Box 39. Fire in house cor. Second and Cannon sts., owned by E. W. Chadwick. Cause, oil stove. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

Aug. 11, 7.07 P. M. Box 127. Fire in restaurant 794 Purchase st., owned by Thos. Riley, and occupied by Labond & Lewis. Cause, gas jet set fire to fly netting. Responded to by Engines 1 and 3, Ladder 2, Hose 2, Chemical 1. Loss on building, $10. Insurance, $3,500.

Aug. 13, 2.50 P. M. Box 35. Fire in house corner of School and Water sts., owned by Sylvia Ann Howland Estate, and occupied by M. Medonal. Cause, unknown. Responded to by Engines 2 and 4, Ladder 1, Chemical 1. No loss.

Aug. 15, 4.35 A. M. Box 27. False alarm. Responded to by Engines 2 and 4, Ladder 1, Chemical 1.

Aug. 15, 12.15 A. M. Box 31. Fire on awning in front of cafe 36 Acushnet ave. Owned by D. Morrisey. Cause, cigar stub. Responded to by Engines 2 and 4, Ladder 1, Chemical 1. Loss $60. Insurance, $2,500.

Aug. 22, 3.10 P. M. Box 58. Fire in wood yard Cove st. and East French ave., owned and occupied by Arthur Dumane. Cause,

unknown. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

Aug. 26, 1.10 A. M. Box 224. Fire in house Hathaway road, near Rockdale ave., owned by Carrie F. Chase, and occupied by Walter Woodsome. Cause, unknown. Responded to by Engines 5 and 7, Ladder 1, Chemical 1. Loss on building, $2,000. Insurance, $2,000. Loss on contents, $806.69. Insurance, $1,000.

Aug. 26, 8.45 P. M. (Still.) Fire in house 188 Blackmer st., owned by Frank Perry, and occupied by Wm. Clark. Cause, caught from lamp. Responded to by men from Station 6. Loss on building, $15. Insurance, $2,300.

Aug. 27, 2.45 A. M. Box 3. Fire in ice house Tarkiln Hill road, owned by Wm. H. Davis Estate, and occupied by N. B. Ice Co. and C. H. Mosher. Cause, incendiary. Responded to by Engines 8 and 9, Ladder 2, Hose 2. Loss on building, $1,000. Insurance, $1,000. Loss on contents, $1,300. Insurance, $1,500.

Aug. 28, 3.10 P. M. (Still.) Fire in house 332 Cottage st., owned by Mrs. Chas. Cota, and occupied by Mrs. Addie F. Tucker. Cause, gas jet set fire to draperies. Responded to by men from Station 5. Loss on building, $62.39. Insurance, $2,000. Loss on contents, $150. No insurance.

Aug. 28, 4.02 P. M. (Still.) Fire in store and tenement 229 Coggeshall st., owned by A. Finkinstein, and occupied by A. Poitras. Cause, gasoline stove. No loss.

Aug. 29, 8.30 P. M. Box 42. Fire in house 172 Allen st., owned by Manuel Frates, and occupied by John Shimut. Cause, unknown. Responded to by Chemical 1. No loss.

Aug. 29, 12 43 P. M. (Still.) Fire in house 122 Fourth st., owned by Manuel J. Francis, and occupied by Wm. J. Dunham. Cause, oil stove. Responded to by men from Station 4. No loss.

Sept. 2, 4 P. M. False alarm. Responded to by Engines 4 and 6, Ladder 3, Chemical 1.

Sept. 3, 4 P. M. Box 124. Fire in store 968 Acushnet ave., owned by Dennis Perault, and occupied by Antone Perry. Cause, set by boys. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1.

Sept. 3, 11.24 A. M. Box 58. Fire in house 13 Margin st., owned by John Marshall, and occupied by Antone Perry. Cause, oil stove. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. Loss on building, $15. Insurance, $1,500.

Sept. 4, 9.35 A. M. (Still.) Fire S. E. corner of William and Second sts. Caused by electric switch of N. B. Gas and Edison Light Co. Responded to by Chemical 1. No loss.

Sept. 7, 4.55 P. M. Box 53. Fire in house 45 Crapo st., owned and occupied by J. J. Walero. Cause, oil stove. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

Sept. 8, 1.56 A. M. Box 224. Fire in barn, corner James and Court sts., owned and occupied by Jas. Burke. Cause, incendiary. Responded to by Engines 5 and 7, Ladder 1, Chemical 1. Loss on building, $200. Insurance, $200. Loss on contents, $450. Insurance, $600.

Sept. 12, 8.45 P. M. Box 34. Fire in house 10 Bethel st., owned by Samuel Ivers, and occupied by John Carria. Cause, oil stove. Responded to by Engines 2 and 4, Ladder 1, Chemical 1. No loss.

Sept 13, 8.18 P. M. Box 135. Fire in house 251 Coggeshall st., owned by Jos. Sorrell, Jr., and occupied by Wilfrid Lussier. Cause, gasoline stove. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. No loss.

Sept. 14, 10.55 A. M. (Still.) Fire in house 36 Thompson st., owned by F. T. Akin, and occupied by Patrick Menton. Cause, oil stove. Responded to by men from Station 6.

Sept. 18, 10.26 A. M. Box 71. Fire in factory rear Prospect st., owned by Pairpoint Mfg. Co. Cause, furnace. Responded to by Engines 2, 4 and 6, Ladder 3, Chemical 1. No loss.

Sept. 18, 2.48 P. M. Box 123. Fire in barn rear 116 Dean st., owned and occupied by J. B. Jean. Cause, boys and matches. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. Loss on building, $300. Insurance, $300. Loss on contents, $90.00. Insurance, $100.

Sept. 21, 7.30 A. M. (Still.) Fire in house 13 Logan st., owned by Wamsutta Mills, and occupied by J. Lacroix. Cause, spark in rug. Responded to by men from Weld St. Station. No loss.

Sept. 24, 539 P. M. Box 46. Fire in store 461 So. Water st., owned by Wolf Schuaitz, and occupied by Sim Massinoff. Cause, leaky gasoline tank. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, $7.50. Insurance, $5,000.

Sept. 25, 9.50 A. M. Box 135. Fire in wood yard rear 326 No. Front st., owned and occupied by John Pudvin. Cause, explosion of gasoline. Responded to by Engines 1 and 8, Ladder 2, Hose 2,

Chemical 1. Loss on buildings, $200. No insurance. Loss on contents, $100. No insurance.

Sept. 25, 8.20 P. M. (Still.) Fire between Parker and Willis sts. Responded to by men from Station 5. No loss.

Sept. 25, 8.50 A. M. Box 16. Fire in store at Smith Mills, owned by Sylvanus Hawes, and occupied by Wm. W. Thatcher. Cause, cigar stub. Responded to by Engine 5.

Sept. 26, 9 A. M. (Still.) Fire in car, Wamsutta st. crossing N. Y., N. H. & H. Railroad. Cause, spark from engine. Responded to by men from Station 1. No loss.

Oct. 1, 11.37 P. M. Box 36. Fire in store 129 So. Water st., owned by Mary Gomez, and occupied by Mary Gomez and C. A. Gilman. Cause, unknown. Responded to by Engines 2 and 4, Ladder 1, Chemical 1. Loss on building, $267.30. Insurance, $1,000. Loss on contents, $182.50. Insurance, $1,000.

Oct. 2, 10.34 P. M. Box 224. Fire in candy store, Buttonwood park, owned and occupied by F. M. Bertram. Cause, incendiary. Responded to by Engines 5 and 7, Ladder 1, Chemical 1. Loss on building, $250. Insurance, $300.

Oct. 4, 10 A. M. (Still.) Chimney fire, house cor. Sixth and School sts., owned and occupied by Mrs. Hastings. Responded to by Chemical 1. No loss.

Oct. 5, 12.32 P. M. (Still.) Chimney fire 341 Middle st., owned and occupied by Mrs. Ann Cavanaugh. Responded to by men from Station 5. No loss.

Oct. 5, 1 A. M. Box 124. Fire in lunch room 956 Acushnet ave., owned by Joseph Sibor, and occupied by Peter Marlo. Cause, naptha stove. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. No loss.

Oct. 7, 7 P. M. (Still.) Fire in house 120 Bedford st., owned by John W. Knowles, and occupied by Mrs. John P. Knowles, 2d. Cause, brick fire-place set fire to beam. Responded to by men from Station 4. Loss on building, $19.62. Insurance, $6,000.

Oct. 8, 12.25 P. M. (Still.) Fire in house 112 Mill st., owned by Chas. H. Adams. Cause, spark from fire-place. Responded to by men from Station 5. No loss.

Oct. 8, 12.25 P. M. (Still.) Fire in house 228 No. Second st., owned by H. Haskins and Mrs. N. Coughlin. Cause, defective chimney. Responded to by Chemical 1. No loss.

Oct. 14, 11.30 P. M. (Still.) Chimney fire in house 47 Washburn st., owned by S. S. Wilbur, and occupied by A. Pittle and others. Responded to by men from Weld St. Station.

Oct. 18, 10.38 A. M. Box 46. Fire in store 77 Howland st., owned by Frank Rose, and occupied by Jos. Martin. Cause, unknown. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, $201.48. Insurance, $500.

Oct. 18, 12 55 P. M. (Still.) Chimney fire 1 Morgan Terrace, owned by Mrs. C. D. Nye. Responded to by men from Station 4. No loss.

Oct. 19, 6.38 P. M. Box 56. Fire in house 649 So. First st., owned by Wm. Almond, and occupied by Henry Rosston. Cause, match in lace curtains. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, $19.15. Insurance, $1,500.

Oct. 19, 12.30 P. M. (Still.) Chimney fire 59 Middle st., owned by C. O. Brightman and H. Haskins, and occupied by Manuel Sylvia and Antone Fuller. Responded to by Chemical 1. No loss.

Oct. 19, 11.38 A. M. (Still.) Brush fire Acushnet ave. and Nash road, owned by Thos. Bassett. Set by boys. Responded to by men from Station 8. No loss.

Oct. 23, 7.15 P. M. (Still.) Brush fire north of Nash road. Cause, spark from locomotive. Responded to by men from Station 8.

Oct. 25. 4.20 P. M. Box 13. Fire in store house Parker st., east of cemetery, owned and occupied by Wm. Weeks. Cause, set by boys. Responded to by Engines 5 and 7, Ladder 2, Hose 2, Chemical 1. Loss on building, $50.

Oct. 25, 8.30 P. M. (Still.) Same fire. Responded to by men from Station 7.

Oct. 26, 3.15 P. M. (Still.) Fire in woods, Buttonwood heights, owned by C. S. Ashley and others. Cause, set by boys. Responded to by Chemical 1. No loss.

Nov. 3, 11.22 A. M. Box 13. Fire in church Richmond st., owned and occupied by Holmes's society. Cause, furnace. Responded to by Engines 5 and 7, Ladder 2, Hose 2, Chemical 1. No loss.

Nov. 4, 9.43 A. M. Box 224. Fire in school house Court st., owned by City of New Bedford. Cause, electric wires. Responded to by Engines 2 and 5, Ladder 1, Chemical 1. Loss on building, $468.36. No insurance.

Nov. 6, 7.52 P. M. (Still.) Fire in store 395 Cedar st., owned by Bridget McDonnell, and occupied by Wm. Simister. Cause, rats and matches. Responded to by men from Station 7. No loss.

Nov. 8, 11.30 A. M. (Still.) Fire in shed at Oneko Mill. Cause, spontaneous combustion. Responded to by Engine 8.

Nov. 9, 9.46 P. M. Box 46. Chimney fire, house 406 So. Water st., owned by Henry T. Wood Estate, and occupied by Millard Galvin. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

Nov. 10, 12.30 P. M. (Still.) Brush fire Nash road and Church st , owned by C. R. Price and others. Cause, spark from locomotive. Responded to by men from Station 8. No loss.

Nov. 10, 7.10 A. M. (Still.) Fire in house 35 Dean st., owned by Adeline Goulet, and occupied by Isaac Racine. Cause, rags caught from chimney. Responded to by men from Station 8. No loss.

Nov. 10, 9.50 A. M. (Still.) Fire in rubbish Maple, Clinton and Chancery sts. Responded to by men from Station 4. No loss.

Nov. 11, 1.20 P. M. Box 57. Fire in house cor. Division and Crapo sts., owned by R. Beetle, and occupied by Mrs. Bond. Cause, unknown. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, $400. Insurance, $500. Loss on contents, $300. No insurance

Nov. 11, 1.20 P. M. (Still.) Chimney fire house Sixth and Russell streets, owned by R. C. Morgan; cause, foul chimney. Responded to by men from station 4. No loss.

Nov. 13, 1.30 A. M. (Still.) Chimney fire, house 68 Foster st., owned by Geo. A. Tripp, and occupied by H. L. Gifford. Responded to by Chemical 1. No loss.

Nov. 13, 9.53 A. M. Box 5. Fire in factory, County road, owned and occupied by Chas. S. Knowles. Cause, defective stove pipe. Responded to by Engine 7 and Hose 5. Loss on building, $2,000. Contents, $1,000. No insurance.

Nov. 14, 5 P. M. (Still.) Fire in church William st., owned and occupied by Universalist Church. Cause, overheated furnace pipe. Responded to by Chemical 1. No loss.

Nov. 17, 11 P. M. Box 57. Fire in store 141 County st., owned by Jos. Sylvia, and occupied by Sylvia and Almidia. Cause, un-

known. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, $150. Insurance $150. Loss on contents, $300. Insurance, $300.

Nov. 20, 8.30 A. M. (Still.) Fire in house 88 So. Sixth st., owned by Estate Leonard Jenney, and occupied by Clarence Jenney. Cause, pan of grease in oven. Responded to by men from Station 4. No loss.

Nov. 20, 10.15 P. M. Box 127. Fire in house 415 Pleasant st., owned and occupied by M. I. Burke. Cause, broken gas pipe. Responded to by Engines 1 and 7, Ladder 2, Hose 2, Chemical 1. No loss.

Nov. 21, 5.50 P. M. Box 9. Fire in dump heap Willis point. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. No loss.

Nov. 24, 9.55 A. M. (Still.) Fire in house 567 Cottage st., owned by Mary Grady, and occupied by Kennedy Brown. Cause, rags caught from stove. Responded to by men from Station 7. No loss.

Nov. 27, 3.05 P. M. (Still.) Chimney fire house 89 Parker st., owned and occupied by Henry Morse. Responded to by men from Station 5. No loss.

Nov. 28, 8.15 P. M. (Still.) Smoke from peanut roaster 600 Pleasant st., owned by D. M. Mamario. Responded to by Chemical 1.

Nov. 30, 5.15 P. M. Box 26. Fire in store house foot of Middle st., owned and occupied by Nelson Morris Co. Cause, electric wires of Union St. Railway. Responded to by Engines 1, 2 and 5, Ladder 1, Chemical 1. No loss.

Dec. 1, 5 P. M. Box 56. Fire in store 893 So. Water st., owned and occupied by Max Levy. Cause, match in rubbish. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on contents, $100. Insurance, $1,500.

Dec. 3, 3.10 A. M. Box 59. Fire in store cor. Dartmouth and Rockland sts., owned and occupied by Ephriam G. Akin. Cause, unknown. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, $250. Contents, $250. No insurance.

Dec. 7, 1.27 P. M. Box 58. Fire in house 1,065 So. Water st., owned and occupied by Mrs. Benj. C. Warren. Cause, oil heater. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

Dec. 7, 5.20 P. M. Box 42. Fire in club room rear Allen st., owned by Wm. M. Jenks, and occupied by Boys' Cycle Club. Cause, hanging lamp. Responded to by Engines 4 and 5, Ladder 3, Chemical 1. Loss on building, $7.50. Insurance, $250.

Dec. 12, 11.30 A. M. (Still.) Fire in house 712 Acushnet ave., owned by Israel Finklestein, and occupied by Jacob Wolff. Cause, overheated chimney. Responded to by men from Station 1. Loss on building, $27. Insurance $1,000.

Dec. 13, 5.47 P. M. Box 31. Fire in hotel Union st., owned by Chas. E. Cook and S. T. Viall Estate, and occupied by B. Dawson & Son. Cause, electric light wires. Responded to by Engines 2 and 4, Ladder 1, Chemical 1. Loss on building, $1,175.64. Insurance, $18,500. Loss on contents, $283.73. Insurance, $2,000.

Dec. 14, 4.35 P. M. Box 48. False alarm. Responded to by Engines 4 and 6, Ladder 3, Chemical 1.

Dec. 16, 4.30 P. M. (Still.) Chimney fire 160 William st., owned and occupied by A. B. Drake. Responded to by Chemical 1.

Dec. 17, 7.55 A. M. (Still.) Chimney fire in shop 96 Mt. Pleasant st., owned and occupied by Jos. Aubertin. Responded to by men from Station 7. No loss.

Dec. 18, 11.58 A. M. (Still.) Chimney fire, house 64 Hillman st., owned and occupied by Francis C. Smith. Responded to by men from Station 5. No loss.

Dec. 19, 5.08 A. M. (Still.) Fire in house 56 Campbell st., owned and occupied by Howard N. Dexter. Cause, overheated stove pipe. Responded to by men from Station 5.

Dec. 20, 1.25 A. M. (Still.) Fire in block corner Linden and Purchase sts., owned by B. Dawson, occupied by janitor. Cause, lamp exploded. Responded to by men from Weld St. Station. Loss on building, $40. Insurance, $20,000.

Dec. 20, 9.20 A. M. (Still.) Fire in house 188 Cottage st., owned and occupied by D. L. Parker. Cause, furnace pipe. Responded to by Chemical 1. No loss.

Dec. 21, 2.58 P. M. Box 46. Fire in house 11 Morgan row, owned by Serigo Phillipe, and occupied by Serigo Phillipe and Frank Costa. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, $46.50. Insurance, $1,300.

Dec. 22, 7.30 A. M. (Still.) Chimney fire, house Hawthorne st., owned and occupied by C. W. Plummer. Responded to by men from Station 4. No loss.

Dec. 22, 5.36 P. M. Box 56. Fire in club room, store and tenements 95 Rivet st., owned by Daniel Sweeney, and occupied by Wm. Hunter, H. R. Snow, Wm. Jenkins and St. Louis Mechanics Club. Cause, hanging lamp. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, $95. Insurance, $2,000.

Dec. 22, 8.08 P. M. Box 53. Fire in smoke house rear 47 Crapo st., owned by Julius Sylvia, and occupied by Jos. Rezendu. Cause, overheated stove. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

Dec. 22, 4 P. M. (Still.) Chimney fire, house corner Middle and Sixth sts., owned and occupied by A. E. Hathaway. Responded to by Chemical 1. No loss.

Dec. 24, 7.19 P. M. Box 9. Fire in barn south side Wamsutta st., owned by Geo. A. Pelan, and occupied by John Connell. Cause unknown. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1.

Dec. 24, 6.50 P. M. (Still.) Fire in house corner State and Penniman sts., owned by Geo. Spencer, and occupied by O. Potwin. Cause, unknown. Responded to by men from Weld St. Station. No loss.

Dec. 24, 4.25 P. M. (Still.) Fire in house 398 Union st., owned by J. V. Spare, and occupied by H. B. DeWolf. Cause, oil lamp upset. Responded to by Chemical 1.

Dec. 26, 2 P. M. Box 6. Fire in house 54 Hazzard st., owned by G. S. Hall, and occupied by J. P. Noonan. Cause, spark in curtain. Responded to by Engines 1 and 7, Ladder 2, Hose 2, Chemical 1.

Dec. 27, 6.15 P. M. Box 31. False alarm. Responded to by Engines 2 and 4, Ladder 1, Chemical 1.

Dec. 27, 8.15 P. M. Box 31. Fire in store 358 Acushnet ave., owned by Wm. B. Macomber, and occupied by E. T. Chapman. Cause, spark in window. Responded to by Engines 2 and 4, Ladder 1, Chemical 1. Loss on contents $45. Insurance $11,500.

Dec. 31, 11.10 A. M. (Still.) Smoke in house 58 Austin St., owned by Wamsutta Mills, and occupied by Mrs. Manion. Cause, smoke from stove. Responded to by men from Weld St. Station.

Following is the amount of losses by fire in this city for the past twenty-five years, together with amount of insurance on same:

1877	$26,063.66	$21,528.36
1878	28,154.46	66,025.00
1879	9,163.16	54,950.00
1880	7,609.13	49,450 00
1881	26,624.96	86,979.00
1882	23,169.64	692,950.00
1883	17,398.14	77,450.00
1884	134,729.82	310,950.00
1885	6,982.41	148,025.00
1886	26,786.03	1,108,800.00
1887	45,141.50	708,150.00
1888	32,881.87	125,927.00
1889	42,285.71	182,772.00
1890	18,145.02	71,300.00
1891	43,032.65	297,488.13
1892	73,947.46	271,710.00
1893	94,516.21	231,375.00
1894	28,481.98	186,850.00
1895	55,607.61	209,233.33
1896	78,909.83	705,800.00
1897	63,638.76	973,581.34
1898	47,419.29	177,367.46
1899	40,718.40	219,575.00
1900	18,781.61	155,450.00
1901	30,861.35	220,150.00

Fire Alarm Telegraph, 1901.

SUPERINTENDENT,
FREDERICK MACY, Chief Engineer.

ASSISTANT SUPERINTENDENT,
DANIEL D. BRIGGS,
Residence, 43 Bedford Street. Office, City Hall.

LOCATION OF SIGNAL BOXES.

No.	
3.	Lund's Corner.
4.	Acushnet Heights, near Reservoir.
113.	Merrimack and Summer streets.
116.	Hillman and Ash streets.
123.	Acushnet avenue and Davis street.
124.	Acushnet avenue and Sawyer street.
125.	Corner Bowditch and Weld streets.
126.	Cedar Grove and North Front streets.
127.	Purchase and Linden streets.
128.	County and Penniman streets.
129.	Purchase street and Coffin avenue.
131.	Acushnet avenue and Perry street.
134.	Belleville avenue and Nye street.
135.	Belleville avenue and Coggeshall street.
136.	Soule Mill.
5.	Linden and Ashland streets.
6.	Hazard and State streets.
7.	Purchase and Franklin streets.
8.	County and Pearl streets.
9.	Wamsutta street and Acushnet avenue.

12. Shawmut avenue and Durfee street.
13. Cedar and Locust streets.
14. Purchase and Willis streets.
15. Smith and Cedar streets.
16. County and Hillman streets.
17. Maxfield street and Acushnet ave.
18. Purchase and North streets.
19. State and Sycamore streets.
21. North and Water streets.
23. Kempton, west of Florence street.
24. Kempton and Cedar streets.
25. County and Kempton streets.
26. Water and Middle streets.
27. Purchase street and Mechanics lane.
28. Court and Cedar streets.
29. Arnold and Ash streets.
31. Acushnet avenue and Union street.
32. Union and Eighth streets.
34. Union and Water streets.
35. Fourth and School streets.
36. Walnut and Water streets.
37. Madison and Orchard streets.
38. Bedford and Sixth streets.
39. Acushnet avenue and Cannon street.
41. Hawthorn and Page streets.
42. Allen and Page streets.
43. Walnut and Seventh streets.
45. Allen and Bonney streets.
46. South Water and Leonard streets.
47. Junction of Sixth and County streets.
48. Water and South streets.
51. Dartmouth and Rockland streets.
52. Fourth street, head of Potomska.
53. Crapo and Rivet streets.
56. South Water and Rivet streets.
57. Mosher and County streets.
58. South Water and Cove streets.

223. Court and Tremont streets.
224. Kempton and Reed streets.
225. Kempton and Florence streets.
226. Rodman and Front streets.
227. New Bedford and Fairhaven Bridge.
*61. Union Street Railway Car Stables.
*62. Grinnell Mills.
*63. Wamsutta Mills.
*64. New Bedford Manufacturing Co.
*65. Hathaway, Soule & Harrington.
*67. New Bedford Cordage Factory.
*68. New Bedford Copper Works.
*69. Dawson's Brewery.
*71. Pairpoint Manufacturing Co.
*72. George Delano's Sons & Co.'s Works.
*73. Potomska Mills.
*74. Acushnet Mills.
*75. Morse Twist Drill Co.
*76. City Manufacturing Co.
*78. Dartmouth Mills.
*81. Howland Mills.
*82. Hathaway Mills.
*83. Rotch Mills.
*84. Iron Foundry, foot of Cannon street.
*85. New Bedford Gas Works.
*86. Old Colony Steamboat Co.
*91. Bennett Mills.
*92. New Bedford Casket Co.
*93. Pierce Mills.
*94. Old Colony Freight Depot, Pearl street.
*95. Bristol Mills.
*96. Columbia Mills.
*97. Whitman Mills.
581. City Almshouse.
583. Brock avenue, near Butler street.

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* Private boxes.

Location of Hydrants.

Abbott street, northwest corner Ruth avenue.....
Acushnet av, west side, north of Tarkiln Hill road, 3743.2 feet.
Acushnet av, west side, north of Tarkiln Hill road, 2986.7 feet.
Acushnet av, west side, north of Tarkiln Hill road, 2392.7 feet.
Acushnet av, west side, north of Tarkiln Hill road, 1783.3 feet.
Acushnet av, west side, north of Tarkiln Hill road, 1195.3 feet.
Acushnet av, west side, north of Tarkiln Hill road, 542 feet....
Acushnet av, southwest corner Tarkiln Hill road .....
Acushnet av, west side, south of Tarkiln Hill road, 500 feet ...
Acushnet av, west side, south of Tarkiln Hill road, 997 feet ...
Acushnet av, west side, north of Howard avenue, 600 feet.....
Acushnet av, west side, north of Howard avenue, 6 feet.....
Acushnet av, west side, south of Howard avenue, 601 feet.....
Acushnet av, west side, north of Shaw, 610 feet.....
Acushnet av, northwest corner of Shaw.....
Acushnet av, west side, north of Belleville road, 603.5 feet ....
Acushnet av, west side, head of Belleville road.....
Acushnet av, northwest corner of Nash road.....
Acushnet av, northwest corner Hathaway avenue.....
Acushnet av, northwest corner of Davis.....
Acushnet av, southwest corner of Phillips avenue.....
Acushnet av, southwest corner of Dean .....
Acushnet av, west side, north of Sawyer, 574.5 feet.....
Acushnet av, southwest corner of Coggeshall .. ..
Acushnet av, southwest corner of Cedar Grove.....
Acushnet av, northwest corner of Logan .....
Acushnet av, west side, south of Logan, 335 feet.....
Acushnet av, west side, north of Wamsutta, 514 feet.....
Acushnet av, west side, north of Wamsutta, 372 feet.....
Acushnet av, west side, south of Wamsutta, 255 feet. Flush..
Acushnet av, west side, at end of Wall street.....
Acushnet av, southeast corner of Pope. Flush.....
Acushnet av, west side, south of Campbell, 179 feet. Flush...
Acushnet av, northwest corner of Maxfield. Flush.....
Acushnet av, northwest corner of Kempton. Flush.....
Acushnet av, northeast corner of Elm. Flush.....
Acushnet av, northwest corner of William.....
Acushnet av, northwest corner of School.....
Acushnet av, northwest corner of Madison .....
Acushnet av, northwest corner of Russell .....
Acushnet av, northwest corner of Bedford.....

Acushnet av, west side, opposite Howland. Flush .....
Acushnet av, northwest corner of Potomska.....
Acushnet av, west side, north of Rivet, 98 feet .....
Acushnet av, southwest corner of Blackmer. Flush.....
Adams street, south side, west of County, 538.3 feet.....
Allen street, south side, west of Rural, 445 feet.....
Allen street, southeast corner of Devoll.....
Allen street, southwest corner of Page .....
Allen street, north side, east of Page, 159 feet. Flush .....
Allen street, northwest corner of Ward. Flush .....
Arch street, southwest corner of Union. Flush .....
Armour street, southwest corner of Union .. ..
Arnold place, west side, south of Rotch court, 38 3 feet.....
Arnold street, south side, west of Orchard, 96 feet .. ..
Arnold street, southwest corner of Chancery. Flush .....
Arnold street, southeast corner of Atlantic. Flush.....
Arnold street, south side, west of James, 15.3 feet.....
Ash street, northwest corner of Middle .. ..
Ash street, southwest corner of Morgan.....
Ash street, northwest corner of Arnold. Flush.....
Ash street, northwest corner of Maple. Flush .....
Ash street, northwest corner of Bedford .. ..
Ashland street, southwest corner of Clark.....
Ashley street, west side, south of Cove (west), 222.2 feet.....
Atlantic street, northwest corner of Maple..... .....
Atlantic street, southwest corner of Union..... .....
Austin street, southwest corner of Purchase.....
Austin street, southeast corner of State .. ..
Austin street, southwest corner of Ashland.....
Austin street, southeast corner of Cedar.....
Austin street, south side, on west line of Wilson .....
Austin street, southeast corner of Shawmut avenue.....
Austin street, south side, west of Shawmut avenue, 108 feet...
Babbitt street, south side, west of Dartmouth, 207.5 feet.....
Babbitt street, southeast corner of Field.....
Bedford street, southwest corner of Fourth.....
Bedford street, southwest corner of Fifth .....
Bedford street, southwest corner of County.....
Bedford street, southwest corner of Orchard.....
Beech street, northwest corner of Kempton .....
Beetle street, southwest corner of Howard..... .....
Beetle street, southeast corner of Front.....
Belleville avenue, southwest corner of Washburn.....
Belleville avenue, west side, north of Washburn, 118 feet.....

Belleville avenue, northwest corner of Cedar Grove.....
Belleville avenue, west side, north of Coggeshall, 134 feet.....
Belleville avenue, northwest corner of Beetle.....
Belleville avenue, southwest corner of Plummer avenue.....
Belleville road, southwest corner of Diman.....
Belleville road, south side, east of Acushnet avenue, 1392 feet.
Blackmer street, south side, east of Front, 284 feet .. ..
Blackmer street, south side, east of Front, 575 feet. .....
Blackmer street, south side, east of Front, 738 feet.....
Blackmer street, south side, east of Front, 904 feet.....
Bolton road, west side, north of Rivet, 370 feet.....
Bolton road, west side, north of Rotch Mill No. 2. ....
Bolton road, west side, south of Rotch Mill No. 2.....
Bolton road, west side, south of Rivet, 1027 feet.....
Bolton road, northwest corner of Poplar road.....
Bonney street, southwest corner of Allen..... .....
Bonney street, northwest corner of Grinnell.....
Bonney street, northwest corner of Rockland.....
Bonney street, southwest corner of Thompson .....
Borden street, northwest corner of Bedford ....
Borden street, southwest corner of Bay..... .. ..
Bowditch street, southwest corner of Weld..... .....
Bowditch street, west side, south of Cedar Grove, 313 feet.....
Bowditch street, west side, north of Cedar Grove, 244 feet.....
Bowditch street, northwest corner of Coggeshall .....
Bowditch street, southwest corner of Dean.....
Bowditch street, southwest corner of Coffin avenue.....
Bowditch street, west side, north of Coffin avenue, 358 feet....
Bowditch street, southwest corner of Davis..... ....
Bowditch street, southwest corner Hathaway avenue.....
Bridge avenue, north side, east from west line of Popes Island Manufacturing Co. building, 483.4 feet. Flush.....
Bridge avenue, north side, east from west line of Popes Island Manufacturing Co. building, 215.7 feet. Flush.....
Bridge avenue, south side, west from west line of Popes Island Manufacturing Co. building, 24.6 feet. Flush.....
Brock avenue, southwest corner of David .. ..
Brock avenue, southwest corner of Woodlawn avenue. . .....
Brock avenue, southwest corner of Willard .....
Brock avenue, southwest corner, first street south Norman ..
Brock avenue, west side, south of Butler, 1063 feet.....
Brock avenue, west side, south of Butler, 2538.1 feet .. ..
Brock avenue, northwest corner Marine avenue.....
Brownell street, west side, south of Union, 387 feet.....

Bullard street, southwest corner of Belleville avenue.....
Bullard street, southeast corner of Front .....
Bullard street, southeast corner of Bowditch.....
Bullock street, southwest corner of Trinity.....
Butler street, south side, east from Brock av., 1635 feet. Flush
Butler street, south side, east of Brock avenue, 287 feet. Flush
Campbell street, southwest corner of Purchase.....
Campbell street, south side, east of County, 163 feet. Flush..
Campbell street, south side, west of County, 216.5 feet.....
Campbell street, southwest corner of Cottage.....
Campbell street, south side, east of Shawmut av. 205 ft. Flush
Cannon street, south side, east of Second, 164 feet.....
Cedar street, northwest corner of Elm.....
Cedar street, southwest corner of Kempton. Flush.....
Cedar street, west side, north of Mill, 75 feet. Flush.....
Cedar street, southwest corner of Hillman. Flush .....
Cedar street, northwest corner of Sycamore. Flush.....
Cedar street, southwest corner of Campbell. Flush .....
Cedar street, southwest corner of Parker. Flush.....
Cedar Grove street, southeast corner of Front.....
Cedar Grove street, southeast corner of Howard.....
Cedar Grove street, south side, west of Bowditch, 383 feet.....
Cedar Grove street, northwest corner of Purchase.....
Cedar Grove street, southwest corner of County.....
Centre street, south side, east of Water, 85 feet. Flush.....
Chancery street, southwest corner of Maple .....
Chancery street, west side, north of Arnold, 406 feet.....
Chancery street, southwest corner of Elm.....
Chancery street, west side, south of Parker, 176 feet.....
Chancery street, west side, north of Parker, 650 feet.....
Chepatchet street, northwest corner of Court.....
Chepatchet street, west side, south of Kempton, 531 feet .....
Cherry street, southeast corner of Seventh. Flush.....
Chestnut street, southwest corner of North. Flush.....
Chestnut street, west side, north of Campbell, 96 feet.....
Chestnut street, southwest corner of Merrimac .....
Church street, southwest corner of Hathaway avenue .....
Church street, west side, north of Coffin avenue, 591.4 feet....
Clark street, southwest corner of State.....
Clark street, south side, west of County, 218 feet.....
Clay street, northwest corner of Columbia.....
Cleveland avenue, west side, south of Cove, 681 feet.....
Clinton street, south side, west of County, 224.6 feet.....
Clinton street, south side, west of Ash, 242.5 feet.....

Coffin avenue, southwest corner of Church
Coffin avenue, south side, opposite Oneko Lane
Coffin avenue, southeast corner of Front
Coffin avenue, southwest corner of Belleville avenue
Coffin avenue, northwest corner of Riverside avenue
Coffin avenue, south side, east of Riverside avenue, 227 feet
Coffin avenue, north side, east of Riverside avenue, 414 feet
Coffin street, southwest corner of Water
Coffin street, north side, east of Water, 262 feet
Coggeshall street, south side, east of Mitchell, 654 feet
Coggeshall street, south side, east of Mitchell, 498 feet
Coggeshall street, south side, east of Mitchell, 334 feet
Coggeshall street, north side, east of Mitchell, 148 feet
Coggeshall street, southeast corner of Belleville avenue
Coggeshall street, southwest corner of Front
Coggeshall street, southwest corner of Purchase
Coggeshall street, southeast corner of County
Coggeshall street, south side, west of County, 384 feet
Collette street, south side, east of Acushnet avenue, 275 feet
Collins street, southeast corner of Glover
Columbia street, southwest corner of Allen
Commercial street, north side, east of Front, 82 feet
Cottage road, south side, west of Bolton road, 435 feet
Cottage street, southwest corner of Bay
Cottage street, northwest corner of Allen
Cottage street, northwest corner of Bedford. Flush
Cottage street, southwest corner of Arnold
Cottage street, southwest corner of Union
Cottage street, southwest corner of Court
Cottage street, southwest corner of Kempton
Cottage street, southwest corner of Mill
Cottage street, southwest corner of North
Cottage street, southwest corner of Hillman
Cottage street, northwest corner of Sycamore
Cottage street, northwest corner of Parker
Cottage street, west side, north of Locust, 237 feet
Cottage street, west side, south of Austin, 92 feet
Cottage street, southwest corner of Durfee
County street, southwest corner of Tallman
County street, southwest corner of Sawyer
County street, southeast corner of Penniman
County street, west side, south of Clark, 234.5 feet
County street, west side, south of Weld, 115 feet
County street, southwest corner of Austin

County street, west side, head of School
County street, southwest corner of Madison
County street, southwest corner of Hawthorn.
County street, northwest corner of Allen
County street, southwest corner of Grinnell
County street, northwest corner of South
County street, northwest corner of Winsor
County street, west side, north of Division, 71 feet.
County street, northwest corner of Cove road
Court street, southwest corner of Orchard
Court street, southeast corner of Cedar
Court street, northeast corner of Ash
Court street, southwest corner of Emerson
Court street, south side, west from Park, 304 feet. Flush.
Court street, south side, head of Jenney
Court street, south side, east of Reed, 300 feet
Cove road, southwest corner of West French avenue
Cove road, southwest corner of Shore street
Cove road, north side, west of County, 365 feet
Cove street, southwest corner of Cleveland avenue
Cove street, southwest corner of Harrison avenue
Cove street, southwest corner of Salisbury
Cove street, southwest corner of Viall
Cove street, southwest corner of McGurk
Cove street, southwest corner of West French avenue
Cove street, southeast corner of Stapleton
Cove street, southeast corner of County
Crapo street, west side, south of Washington, 343 feet. Flush
Crapo street, west side, south of Rockland, 225 feet. Flush.
Crapo street, west side, south of Thompson, 160 feet
Dartmouth street, east side, southwest of Orchard, 110 feet
Dartmouth street, east side, south of Hickory, 125 feet
Dartmouth street, east side, south of Rockland, 260 feet.
Dartmouth street, east side, south of Thompson, 99 feet.
Dartmouth street, southeast corner of Larch
Dartmouth street, northeast corner of Dunbar
David street, south side, west of Brock avenue, 289 feet.
Davis street, southwest corner of Riverside avenue
Davis street, south side, east of Front, 321.8 feet
Davis street, southwest corner of Front
Davis street, south side, east of Church, 362 feet
Dean street, southwest corner of Belleville avenue
Dean street, southeast corner of Front

Delano street, southwest corner of Water.....
Delano street, southeast corner of Acushnet avenue.....
Diman street, southwest corner of Whitman.....
Diman street, west side, south of Whitman, 149 feet.....
Division street, southeast corner of Second.....
Division street, south side, west of County, 527 feet.....
Division street, south side, east of Crapo, 6 feet.....
Dudley street, south side, east of West French av., 122 feet....
Dudley street, south side, west of Brock avenue, 607 feet.....
Dunbar street, southwest corner of Hemlock .....
Durfee street, southwest corner of Cedar.....
Durfee street, southwest corner of Bullock .....
Durfee street, southwest corner of Shawmut avenue .....
Durfee street, south side, west of Shawmut avenue, 186.6 feet.
Earle street, south side, west of Belleville avenue, 135 feet....
Earle street, south side, east of Acushnet avenue, 274.2 feet...
East French avenue, west side, south of Cove, 807.2 feet.....
East French avenue, northwest corner of Abbott .....
Edward street, south side, east of Field, 90 feet.....
Edward street, south side, west of Dartmouth street, 157 feet..
Elm street, southwest corner of Purchase.....
Elm street, southwest corner of Pleasant.....
Elm street, southwest corner of Eighth... .....
Elm street, southwest corner of Summer. Flush.....
Elm street, southwest corner of Florence.....
Elm street, southeast corner of Palmer..... .....
Emerson street, west side, north of Arnold, 173.8 feet.....
Field street, northwest corner of Stowell.....
Fifth street, southwest corner of Union .....
Fifth street, southwest corner of School..... .....
Fifth street, west side, south of Madison, 245 feet. Flush ....
Fifth street, northwest corner of Wing.....
Fifth street, northwest corner of Grinnell.....
First street, southwest corner of Spring. Flush.... .....
First street, west side, south of School, 109 feet. Flush .....
First street, west side, south of Howland, 185 feet. Flush....
First street, northwest corner of Potomska.....
Florence street, southwest corner of Hillman.....
Florence street, northwest corner of Mill.....
Florence street, west side, south of Kempton, 199.6 feet.....
Florence street, southwest corner of Morgan.....
Forest street, south side, west of County, 90 feet. Flush.....
Foster street, southwest corner of High.....
Fourth street, southwest corner of Union. Flush .....

Fourth street, west side, north of School, 106 feet. Flush....
Fourth street, west side, south of Madison, 210 feet.....
Fourth street, east side, opposite Washington .....
Fourth street, northwest corner of Rockland. Flush.....
Fourth street, west side, south of Potomska, 61 feet.....
Franklin street, southwest corner of Purchase.....
Franklin street, southwest corner of Pleasant. Flush.....
Franklin street, southwest corner of State.....
Front street, southwest corner of Holly.....
Front street, west side, south of Washburn, 319 feet. Flush..
Front street, southwest corner of Logan.....
Front street, west side, south of Logan, 190.2 feet .....
Front street, west side, south of Logan, 383 feet.....
Front street, west side, north of Wamsutta, 235.2 feet .....
Front street, southeast corner of Wamsutta.....
Front street, east side, foot of Middle. Flush.....
Front street, southwest corner of Middle.....
Front street, southwest corner of Hazard's lane. Flush .....
Front street, northwest corner of Rodman.....
Front street, southwest corner of Center. Flush.....
Front street, west side, south of Commercial, 86 feet. Flush..
Front street, northwest corner of lane head of Merrill's wharf. Flush.
Front street, west side, south of Howland, 268 feet.....
Front street, southwest corner of Grinnell.....
Front street, west side, south of South, 330 feet.....
Front street, southwest corner Rivet street.....
Front street, west side, north of Delano, 191 feet .....
Front street, west side, south of Delano, 200 feet .....
Fruit street, south side, east of Hemlock, 126.5 feet.....
Fruit street, south side, west of Mulberry, 25.5 feet.....
Gifford street, south side, east of Water, 274 feet .....
Gifford street, south side, west of Harbor, 167.8 feet.....
Gifford street, southeast corner of Harbor.....
Gifford street, south side, east of Harbor, 299.3 feet .....
Grand street, south side, west of Shawmut avenue, 750 feet....
Granfield street, west side, north of Coggeshall, 263 feet.....
Grape street, south side, west of Lewis, 131 feet.....
Grape street, southwest corner of Small.....
Grape street, southwest corner of Devoll.....
Griffin street, southwest corner of Second. Flush.....
Grinnell street, south side, west of Acushnet av., 76 ft. Flush
Grinnell street, south side, east of Crapo, 103 feet. Flush....
Grinnell street, southwest corner of Orchard .....

Grove street, southwest corner of Anthony....
Grove street, southwest corner of Cottage
Harbor street, east side, north of Cove, 195 feet
Harbor street, east side, north of Cove, 372 feet
Harbor street, east side, north of Cove, 540 feet
Harbor street, east side, south of Gifford, 195.8 feet
Harmony street, southwest corner of Social
Harrison street, southwest corner of Hickory
Hathaway avenue, south side, east of Acushnet av., 144 feet
Hathaway avenue, south side east of Church st., 331 feet
Hawthorn street, southwest corner of Cottage
Hawthorn street, southeast corner of Page. Flush
Hawthorn street, south side, east of Tremont, 147 feet
Hawthorn street, southwest corner of Brigham
Hawthorn street, south side, west of Brigham, 301 feet
Hazard street, south side, west of State, 140 feet. Flush
Hazard street, southwest corner of Pleasant. Flush
Hazard street, southwest corner of Purchase
Hemlock street, west side, south of Rockland, 231 feet
Hicks street, south side, east of Acushnet avenue, 276 feet
High street, south side, east of Acushnet av., 43 feet. Flush.
High street, southwest corner of Purchase
High street, south side, east of County, 177 feet. Flush
Highland street, west side, north of Durfee, 418.4 feet
Hillman street, southwest corner of Second. Flush
Hillman street, southwest corner of Purchase
Hillman street, southwest corner of Pleasant
Hillman street, head of State
Hillman street, head of Thomas
Hillman street, southwest corner of Chancery
Hillman street, south side, east of Florence, 609.5 feet
Hillman street, southwest corner of Lindsey
Hillman street, southeast corner of Rockdale avenue
Holly street, southwest corner of Belleville avenue
Holly street, southwest corner of Bowditch
Holly street, southeast corner of Brook
Hollyhock street, south side, east of Field, 410 feet
Homer street, southwest corner of Locust
Howard avenue, south side, east of Acushnet avenue, 364 feet.
Howland street, northeast corner of Second. Flush
Howland street, south side, west of Prospect, 19.2 feet
Hunter street, southwest corner of Hillman
Independent street, south side, west of County, 480 feet.
Independent street, southeast corner of Crapo

Irving court, north end of Court. Flush.....
James street, west side, north of Arnold, 107 feet.....
James street, southwest corner of Court.....
Jenney Lind street, southwest corner Hillman.....
Jouvette street, south side, west of County, 372 feet.....
Katharine street, southeast corner of Crapo.....
Katharine street, south side, west of County, 442 feet.....
Keene street, south side, west of Park, 434 feet.....
Kempton street, southwest corner of Purchase.....
Kempton street, southwest corner of Pleasant.....
Kempton street, south side, opposite Hill.....
Kempton street, southwest corner of County.....
Kempton street, southwest corner of Summer.....
Kempton street, southwest corner of Emerson. Flush.....
Kempton street, southwest corner of Park.....
Kempton street, southwest corner of Liberty.....
Kempton street, southeast corner of Jenney. Flush.....
Kempton street, south side, west of Hunter, 50 feet.....
Kempton street, southwest corner of Rockdale avenue.....
Kempton street, southeast corner of Chepatchet.....
Kempton street, south side opposite Jenney Lind street.....
Kenyon street, south side west of Front street, 509 feet.....
Kilburn street, north side, east of Front, 244 feet.....
Kilburn street, north side, east of Front, 581 feet.....
Larch street, south side, east of Mulberry, 120 feet.....
Larch street, south side, east of Hemlock, 129 feet.....
Liberty street, west side, south of Kempton, 339 feet. Flush.
Liberty street, west side, north of Court, 164 feet.....
Lincoln street, west side, south of Union, 171 feet. Flush....
Linden street, southwest corner of Purchase.....
Linden street, south side, west of State, 13.5 feet.....
Linden street, south side, west of County, 169 feet.....
Linden street, south side, west of Reynolds, 67.5 feet.....
Linden street, south side, east of Ashland, 6.5 feet.....
Lindsey street, west side, south of Kempton, 173 feet.....
Lindsey street, northwest corner of Morgan.....
Locust street, southwest corner of County.....
Locust street, southwest corner of Chestnut.....
Locust street, southwest corner of Richmond.....
Logan street, south side, east of Acushnet av., 400 feet. Flush
Logan street, south side, opposite Bowditch.....
Logan street, southeast corner of Purchase.....
Lombard street, west side, north of Thompson. 107 feet.....
Lucas street, south side, west of Brock avenue, 214 feet.....

Madison street, southwest corner of First. Flush
Madison street, southwest corner of Water
Madison street, southwest corner of Sixth
Maitland street, southwest corner of Cedar
Maple street, southwest corner of Cottage
Maxfield street, southwest corner of Second
Maxfield street, southwest corner of Purchase
Maxfield street, southwest corner of Pleasant
Maxfield street, southwest corner of Foster
Maxfield street, southwest corner of County
Maxfield street, southwest corner of Chestnut
Maxfield street, southeast corner of Spruce. Flush
Maxfield street, southeast corner of Ash
Maxfield street, south side, east of Chancery, 44.4 feet
Maxfield street, south side, east of Rockdale avenue, 82 feet
McGurk street, west side, north of Brock avenue, 348 feet
Mechanics lane, northwest corner of Purchase
Mechanics lane, north side, east of Eighth, 206 feet. Flush
Merrimac street, southwest corner of Purchase
Merrimac street, southwest corner of State
Merrimac street, southwest corner of Summer
Middle street, southwest corner of Second
Middle street, southwest corner of Acushnet avenue
Middle street, southwest corner of Purchase
Middle street, southwest corner of Pleasant
Middle street, southwest corner of Sixth
Middle street, southwest corner of County
Middle street, south side, east of Cedar, 371 feet. Flush
Middle street, southeast corner of Chancery. Flush
Middle street, southwest corner of Purchase
Mill street, south side, west of Hill, 191 feet
Mill street, south side; west of Ash, 45 feet. Flush
Mill street, south side, east of Park, 104 feet
Mill street, southeast corner of Newton
Mill street, southeast corner of Summit
Milton street, south side, west of Rockdale avenue, 85 feet
Mitchell street, northwest corner of Coggeshall
Mitchell street, west side, north of Coggeshall, 178.8 feet
Mitchell street, west side, south of Sawyer, 345 feet
Mitchell street, southwest corner of Sawyer
Moorland Terrace, southwest corner of Ash
Morgan street, southwest corner of County
Morgan street, southwest corner of Cottage. Flush
Morton's court, west side, north of Cove, 385.3 feet

Mosher street, south side, west of County, 517 feet.....
Mosher street, southeast corner of Crapo.....
Mt. Pleasant street, west side, south of Tarkiln hill rd., 35 feet
Mt. Pleasant street, west side, north of Nash road, 1,671 feet..
Mt. Pleasant street, west side, north of Nash road, 348 feet....
Mt. Pleasant street, west side, north of railroad fence, 285 feet
Mt. Pleasant street, west side, south of Hathaway road, 40 feet
Mt. Pleasant street, west side, north of Peckham-West cemetery, 277 feet.....
Mt. Pleasant street, west side, south of Peckham-West cemetery, 74 feet.....
Mt. Pleasant street, west side, north of reservoir, 837 feet.....
Mt. Pleasant street, west side, north of reservoir, 450 feet.....
Mt. Pleasant street, west side, north of reservoir, 40 feet.....
Mt. Pleasant street, west side, south of Peckham, 217 feet.....
Mt. Vernon street, southwest corner of Mt. Pleasant.....
Mt. Vernon street, southeast corner of Vine. Flush.....
Mt. Vernon street, south side, east of Shawmut av., 241 feet...
Myrtle street, west side, south of Weld, 22 feet.....
Myrtle street, southwest corner of Clark .....
Myrtle street, west side, north of Clark street, 274 feet.....
Nelson street, south side, west of County, 541.6 feet .....
Newton street, northwest corner of Elm.....
North street, southeast corner of Second.....
North street, southwest corner of Acushnet avenue.....
North street, southwest corner of Purchase.....
North street, northwest corner of Pleasant.....
North street, southwest corner of Foster.....
North street, southwest corner of Hill.....
North street, southwest corner of County .....
North street, southwest corner of Emerson.....
North street, southwest corner of Park.....
North street, south side, west of Newton, 258 feet.....
North street, southwest corner of Hunter.....
North street, southwest corner of Beech.....
Nye street, southwest corner of Belleville avenue.....
Nye street, southwest corner of Front.....
Nye street, south side, west of Acushnet avenue, 311.7 feet....
Oak street, southwest corner of Harrison.....
Oak street, northwest corner of Grape.....
Oak street, southwest corner of Allen.....
Ocean street, west side, south of Arnold, 184.5 feet.....
Orchard street, southwest corner of Madison.....
Orchard street, southwest corner of Grove.....

Orchard street, west side, north of Rockland, 98 feet .....
Palmer street, northwest corner of Union .....
Palmer street, west side, south of Elm street, 195 feet.....
Park place, south side, west of Sixth, 306 feet. Flush.....
Park street, west side, south of Maxfield, 27.1 feet.....
Park street, southwest corner of Hillman.....
Park street, west side, south of Kempton, 339 feet.....
Park street, northwest corner of Court .....
Park street, west side, north of Arnold, 263 feet.....
Parker street, south side, at Oak Grove Cemetery.... .....
Parker street, southwest corner of Summer. Flush.....
Parker street, southwest corner of County.....
Pearl street, southwest corner of Pleasant.....
Pearl street, southwest corner of Purchase .....
Perry street, south side, east of Acushnet av., 270 feet .....
Phillips avenue, south side, east of Oneko lane.....
Phillips avenue, south side, east of Acushnet av., 173 feet.....
Phillips avenue, southwest corner of Riverside avenue.....
Pierce street, west side, north of Court, 253.7 feet.....
Pine street, northwest corner of Cross. Flush .....
Plainville road, south side, east of Shawmut avenue, 705 feet..
Plainville road, south side, east of Shawmut avenue, 1,139 feet
Plainville road, south side, east of Shawmut avenue, 2,317 feet
Plainville road, south side, east of Shawmut avenue, 3,113 feet
Plainville road, south side, east of Shawmut avenue, 3,920 feet
Pleasant street, northwest corner of Market.....
Pleasant street, west side, north of William, 21½ feet.....
Pleasant street, east side, foot of Sycamore.....
Pleasant street, northwest corner of Pope. Flush.....
Pleasant street, northwest corner of Austin. Flush .....
Pleasant street, southwest corner of Linden. Flush.....
Pleasant street, southwest corner of Weld.....
Plummer avenue, southwest corner of Riverside avenue.....
Plummer avenue, south side, east of Belleville avenue, 177 feet
Pope street, southwest corner of Purchase.....
Pope street, south side, opposite North Oak.....
Pope street, southwest corner of Summer.....
Poplar road, south side, west of Bolton road, 431 feet.....
Potomska street, a group of three post hydrants located about 300 feet east of Prospect and 91 feet north of south line of Potomska street.....
Potter street, south side, east of Shawmut avenue, 403 feet....
Prospect street, west side, north of Grinnell, 275.2 feet.....
Prospect street, northwest corner of Grinnell.....

Prospect street, west side, north of Potomska, 324.5 feet.....
Prospect street, northwest corner of Potomska.....
Purchase street, northwest corner of Dean.....
Purchase street, west side, opposite Oneko mill.....
Purchase street, east side, opposite Clark.....
Purchase street, west side, south of Campbell, 348 feet.....
Purchase street, northwest corner of Union Flush.....
Purchase avenue, northeast corner of Purchase.....
Reed street, west side, north of Court, 145 feet.....
Reed street, southwest corner of Elm.....
Reed street, southwest corner of Middle.....
Reynolds street, southwest corner Weld.....
Reynolds street, west side, south of Clark, 17.9 feet.....
Reynolds street, southwest corner Cedar Grove street.....
Richmond street, southwest corner of Maitland.....
Rivet street, southwest corner of Second. Flush.....
Rivet street, southwest corner of County.....
Rivet street, southwest corner of Bonney.....
Rivet street, southeast corner of Bolton road.....
Rivet street, southwest corner of Hemlock.....
Robeson street, southwest corner of County.....
Robeson street, southwest corner of Ashland.....
Robeson street, southeast corner of Cottage.....
Robeson street, southeast corner of Cedar.....
Robeson street, south side, west of Cedar, 424 feet.....
Rockdale avenue, southwest corner of Bolton road.....
Rockdale avenue, south side, west of Bolton road, 327 feet
Rockdale avenue, west side, north of Milton, 126 feet.....
Rockland street, southwest corner of County.....
Rockland street, southeast corner of Hall.....
Rockland street, south side, west of Orchard, 13 feet.....
Rockland street, south side, east of Hemlock, 179.3 feet.....
Rockland street, southwest corner of Lombard.....
Rotch street, west side, south of Union, 213.7.....
Rounds street, northwest corner of Elm.....
Rural street, southwest corner of Allen.....
Russell street, south side, east of Fifth, 92 feet. Flush.....
Russell street, southwest corner of Sixth.....
Russell street, south side, west of Sixth, 179 feet.....
Salisbury street, west side, south of Cove, 598 feet.....
Sand street, northwest corner of Grit.....
Sawyer street, south side, west of County, 644 feet.....
Sawyer street, southwest corner of Purchase.....
Sawyer street, south side, opposite Brook.....

Sawyer street, southwest corner of Bowditch
Sawyer street, southwest corner of Acushnet avenue
Sawyer street, southeast corner of Belleville avenue
Sawyer street, south side, east of Mitchell, 418.8 feet
Sawyer street, north side, east of Belleville avenue, 750 feet
Sawyer street, south side, east of Mitchell street, 690 feet
School street, southwest corner of Sixth
Scott street, south side, west of County, 325 feet
Second street, northwest corner of Mill. Flush
Second street, west side, south of Elm, 52 feet
Second street, west side, south of Spring, 74 feet. Flush
Second street, northwest corner of Coffin. Flush
Second street, west side, at head of Morgan's lane
Second street, west side, north of Grinnell, 61 feet. Flush
Second street, west side, north of Potomska, 232 feet
Second street, west side, south of Potomska, 122 feet
Second street, west side, south of Blackmer, 188 feet
Seventh street, southwest corner of Union
Seventh street, west side, north of Madison, 50 feet. Flush.
Shawmut avenue, southwest corner of Willis
Shawmut avenue, southwest corner of Parker
Shawmut avenue, west side, head of Locust
Shawmut avenue, southwest corner of Robeson
Shawmut avenue, west side, north of Austin, 195 feet
Shawmut avenue, west side, north of Durfee, 497 feet
Shawmut avenue, southwest corner of Grand
Shawmut avenue, west side, north of Grand, 363 feet
Shawmut avenue, west side, opposite Topham street
Shawmut avenue, northwest corner of Plainville road
Sherman street, south side, west of County, 314 feet. Flush.
Shore street, west side, south of Cove road, 264 feet
Sisson street, northwest corner of Union
Sixth street, west side, north of Grinnell, 194 feet
Smith street, southwest corner of County
Smith street, southwest corner of Chestnut
Smith street, southeast corner of Spruce
Smith street, southeast corner of Shawmut avenue
Smith street, south side, east of Park, 5 feet
South street, south side, east of Crapo, 357 feet
South street, southwest corner of Acushnet avenue
South street, southwest corner of Second
South street, southwest corner of First
South street, southwest corner of Water
South street, southwest corner of Prospect

Spring street, southwest corner of Water
Spring street, southeast corner of Acushnet avenue
Spring street, southeast corner of Fifth. Flush
Spring street, southwest corner of Seventh
State street, southwest corner of Sycamore
State street, southwest corner of Pearl. Flush
Stone street, west side, south of Allen, 208.6 feet
Stowell street, south side, east of Field, 153 feet
Summer street, northwest corner of North. Flush
Summer street, northwest corner of Hillman. Flush
Summer street, southwest corner of Willis. Flush
Summer street, southwest corner Locust
Sycamore street, southwest corner of Thomas. Flush
Sycamore street, southwest corner of Summer. Flush
Sycamore street, southwest corner of Chancery
Taber street, southwest corner of Page
Taber street, south side, west of Page, 428.7 feet
Tallman street, southwest corner of Belleville avenue
Thompson street, southeast corner of Bourne
Thompson street, southwest corner of Hemlock
Thompson street, south side, east of Hemlock, 99.6 feet
Thompson street, south side, west of Bonney, 302 feet
Thompson street, south side, east of Hall, 20 feet
Thompson street, southwest corner of County
Tinkham street, south side, east of Acushnet avenue, 239.2 feet
Topham street, south side, east of Shawmut avenue, 647 feet
Tremont street, southwest corner of Union
Tremont street, northwest corner of Maple
Trinity street, south side, west of Cedar, 264 feet
Union street, southwest corner of Front
Union street, southwest corner of Water
Union street, southwest corner of First
Union street, southwest corner of Second
Union street, southwest corner of Acushnet avenue
Union street, southwest corner of Sixth
Union street, southwest corner of County
Union street, southeast corner of Emerson
Union street, southwest corner of Ocean
Union street, south side, west of James, 61 feet
Valentine street, south side, west of Brock avenue, 187 feet
Viall street, west side, south of Cove, 576.1 feet
Vine street, west side, north of Durfee, 215 feet
Walden street, southwest corner of Maxfield. Flush
Wall street, south side, east of Acushnet av, 165 feet. Flush

Walnut street, northwest corner of Front .....
Walnut street, southwest corner of Water.....
Walnut street, southwest corner of Second. Flush.....
Walnut street, southwest corner of Fourth .....
Walnut street, southwest corner of Seventh .....
Wamsutta street, south side, west of Front, 200 feet .....
Wamsutta street, south side, west of Front, 372 feet.....
Wamsutta street, south side, east of Acushnet avenue, 286 feet
Ward street, southwest corner of Bay .....
Warren street, southwest corner of Brock avenue .....
Washburn street, southeast corner of Acushnet avenue.....
Washburn street, south side, west of North Front, 228 feet ...
Washington street, southwest corner of County.....
Washington street, southwest corner of Crapo.....
Washington street, south side, west of Orchard, 102 feet.....
Washington street, southeast corner of Dartmouth. Flush....
Water street, southwest corner of Hillman. Flush.....
Water street, southwest corner of North.....
Water street, west side, south of North, 258 feet. Flush.....
Water street, northwest corner of Middle.....
Water street, southwest corner of Elm. Flush.....
Water street, west side, north of Center, 46 feet. Flush.....
Water street, southwest corner of School.....
Water street, west side, head of Pine.....
Water street, west side, head of Leonard.....
Water street, southwest corner of Howland.....
Water street, northwest corner of Grinnell.....
Water street, northwest corner of Potomska.....
Water street, west side, south of Potomska, 266 feet.....
Water street, northwest corner of Rivet.....
Water street, southwest corner of Blackmer.....
Water street, northwest corner of Delano .....
Water street, west side, head of Gifford .....
Weld street, southeast corner of Mt. Pleasant.....
Weld street, southwest corner of State.....
Willard street, south side, west of Brock avenue, 364 feet.....
William street, southwest corner of Bethel.....
William street, southwest corner of Second.....
William street, southwest corner of Purchase.....
William street, southwest corner of Sixth .....
William street, southwest corner of Eighth.....
Willis street, southwest corner of Acushnet avenue.....
Willis street, southwest corner of Purchase .....
Willis street, southeast corner of Pleasant.....

Willis street, southwest corner of State
Willis street, southwest corner of County
Willis street, southwest corner of Cottage
Willis street, south side, west of Cedar, 200 feet
Willow street, southwest corner of Cottage
Willow street, southeast corner of Shawmut avenue
Wing street, southwest corner of Fourth
Wing street, southwest corner of Sixth
Winsor street, south side, west of County, 455.5 feet
Winsor street, southeast corner Crapo
Wood street, south side, west of Acushnet avenue, 366 feet
Woodlawn street, south side, west of Brock avenue, 636 feet

Number of flush hydrants	109
Number of post hydrants	629
Total number of hydrants	738

Location of Reservoirs.

Durfee street, southeast corner of Shawmut avenue.
Linden street, northeast corner of Ashland.
Franklin street, southwest corner of State.
Willis street, northeast corner of State.
Campbell street, west side of Purchase.
Smith street, southeast corner of Cottage
Pleasant street, between Maxfield and Sycamore.
County street, southeast corner of Maxfield.
Pleasant street, southwest corner of North.
Chestnut street, between Mill and North.
Middle street, near southeast corner of Purchase.
Middle street, west of Grammar School.
County street, front of M. E. Church.
North Second street, northwest corner of William.
City Hall Square, west of hall.
Court street, near head of Orchard.
School street, northwest corner of Fourth.
South Second street, northwest corner of Walnut.
South Sixth street, northwest corner of Walnut.
Orchard street, east side, below Hawthorn.
Russell street, between County and Sixth.
Acushnet avenue, southeast corner of Cannon.
Bedford street, southeast corner of Fifth.
South Sixth street, southwest corner of Wing.
Acushnet avenue, southeast corner of Grinnell.
Washington street, northeast corner of Crapo.

In Board of Aldermen,

March 13, 1902.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

In Common Council,

March 13, 1902.

Concurred,

WALTER H. B. REMINGTON, Clerk.

1902 — CITY DOCUMENT No. 6.

ANNUAL REPORT

OF THE

SCHOOL COMMITTEE

OF THE

CITY OF NEW BEDFORD.

TOGETHER WITH THE

SUPERINTENDENT'S ANNUAL REPORT.

FOR THE YEAR 1901.

NEW BEDFORD :
THE A. E. COFFIN PRESS, CITY PRINTERS,
1902.

In School Committee.

January 3, 1902.

Voted, That the Secretary prepare the Annual Report of the School Board for the year 1901, and that 2,500 copies of the same be printed.

Report of the Secretary.

By the direction of the School Committee, I submit to our fellow citizens the following report for the year 1901.

STATISTICS.

I. POPULATION AND VALUATION.

The population of the city (census of 1890) was	40,705
The population of the city (census of 1895) was	55,251
The population of the city (census of 1900) was	62,442
Valuation of taxable property (1901) was	$62,896,000
School houses and lots,	1,042,606
Other school property,	77,000

II. APPROPRIATION.

Rate of taxation,	$17.40
Amount for school purposes, not including new buildings,	244,876.36
Ratio of ordinary expenses of day schools to whole tax, (exclusive of payments on city debt and interest on the same, also appropriation to library)	.255

III. SCHOOL CENSUS.

School census, September 1900, (children between five and fifteen years of age),	11,319
School census, September 1901, (children between five and fifteen years of age),	11,302
Decrease as shown by the returns,	14

SCHOOL CENSUS BY WARDS.

	1900.	1901.		
Ward One,	3,077	3,071	decrease	6
Ward Two,	1,611	1,544	decrease	67
Ward Three,	830	841	increase	11
Ward Four,	791	832	increase	41
Ward Five,	1,525	1,440	decrease	85
Ward Six,	3,485	3,574	increase	89

Location of children between five and fifteen years of age, as to school attendance, as reported by the census enumerators.

	Attending Public Schools.	Attending Private Schools.	Attending no School.
Ward One,	1,777	1,241	53
Ward Two,	811	576	157
Ward Three,	688	104	49
Ward Four,	817	15	
Ward Five,	1,186	118	136
Ward six,	2,426	720	428

Children reported as attending no school are presumably those who are between five and seven years of age, and those over fourteen who have completed their school requirements.

IV. SCHOOL ORGANIZATION.

High school,	1
Normal and Training school for teachers,	1
Grammar schools,	5
Primary schools,	15
Mixed school—Grammar and Primary,	1
Ungraded schools,	5

V. SCHOOL BUILDINGS.

Occupied by the schools,	27
Buildings hired for school purposes,	1

Rooms used for school purposes (day schools) including halls and recitation rooms.

High school,	17
Normal and Training school,	11
Grammar schools,	63
Primary schools,	121
Ungraded schools,	11
Manual Training school,	1
Cooking school,	1
Kindergartens,	3
Rooms unoccupied,	12
Total,	240
Rooms used for both day and evening schools,	37

VI. SEATS.

	Seats Occupied.	Seats Unoccupied.
High school,	475	
Grammar schools,	2,363	448
Primary schools,	4,654	941
Normal and Training school,	413	33
Ungraded schools,	251	132

VII. TEACHERS.

Whole number in service, 1901:

High school,		17
Normal and Training school:	Regular teachers,	8
" " "	Pupil teachers,	7
Grammar schools,		64
Primary schools,		115
Kindergartens,		6
Country schools (ungraded),		9
Mill schools,		2
Special teachers,		9
Evening High school,		7
Evening Drawing school,		4
Evening Elementary schools,		72
Total,		320

VIII. PUPILS.

DAY SCHOOLS—1901.

From Sept. 17, 1900, to June 28, 1901.

Whole number of pupils enrolled of all ages,	8,793
Average number of pupils belonging,	7,608
Average daily attendance,	7,015
Per cent of attendance,	92.2

From December 31, 1900, to December 20, 1901.

Number of half days absence,	215,984
Number of cases of tardiness,	12,164
Number of cases of dismissal,	32,680
Number cases of truancy reported by teachers,	225
Number cases of corporal punishment,	577
Number cases of suspension,	11
Half-days absence of teachers,	1,100
Number cases of tardiness by teachers,	112
Number visits made the schools by the Superintendent,	584
Number visits made the schools by the School Committee,	211
Number visits made the schools by parents and others,	3,669

EVENING ELEMENTARY SCHOOLS.

From Dec. 31, 1900, to Feb. 19, 1901.

Whole number pupils enrolled,	1,272
Average number belonging,	1,092
Average nightly attendance,	842
Per cent. of attendance,	77.1
Total nights absence,	3,989
Number cases of tardiness,	167

From Oct. 7, 1901, to Dec. 10, 1901.

Whole number pupils enrolled,	2,237
Average number belonging,	1,467
Average nightly attendance,	1,147
Per cent. of attendance,	78.1
Total nights absence,	6,435
Number cases of tardiness,	404

EVENING HIGH SCHOOL.

From Dec. 31, 1900, to March 6, 1901.

Whole number pupils enrolled,	103
Average number belonging,	66
Average nightly attendance,	50
Per cent. of attendance,	75.7
Total nights absence,	509
Number cases of tardiness,	30

From Oct. 7, 1901, to Dec. 11, 1901.

Whole number pupils enrolled,	117
Average number belonging,	94
Average nightly attendance,	71
Per cent. of attendance,	75.5
Total nights absence,	670
Number cases tardiness,	37

EVENING DRAWING SCHOOL.

From Dec. 31, 1900, to March 22, 1901.

Whole number pupils enrolled,	51
Average number belonging,	46
Average nightly attendance,	34
Per cent. of attendance,	73.9
Total nights absence,	279

From Oct. 22, 1901, to Dec. 20, 1901.

Whole number pupils enrolled,	99
Average number belonging,	73
Average nightly attendance,	59
Per cent. of attendance,	80.8
Total nights absence,	243

PUBLIC SCHOOLS.

	1901.	1900.		
Enrollment of pupils,	8,793	9,394	decrease	601
Average number belonging,	7,608	7,364	increase	244

Average daily attendance,	7,015	6,727	increase	288
Per cent. of attendance,	92.2	91	increase	1.2
Number cases tardiness,	12,164	12,383	decrease	219
Number cases dismissal,	32,680	27,234	increase	5,446

The great decrease in enrollment is due to change in time and method of making returns caused by change in State Report.

PRIVATE AND PAROCHIAL SCHOOLS.

	1901.	1900.		
Enrollment of pupils,	3,747	2,896	increase	851
Average number belonging,	3,196	2,547	increase	649
Average daily attendance,	2,942	2,258	increase	684
Per cent. of daily attendance,	92	88.6	increase	3.4

PUBLIC, PRIVATE AND PAROCHIAL SCHOOLS.

	1901.	1900.		
Enrollment of pupils,	12,540	12,290	increase	250
Average number belonging,	10,804	9,911	increase	893
Average daily attendance,	9,957	8,985	increase	972
Per cent. of daily attendance,	92.1	90.6	increase	1.5

COST OF INSTRUCTION PER SCHOLAR BY SCHOOLS.

In this connection, the cost of instruction per scholar is based upon the average number belonging to each school during the year, and the amount expended for the hire of teachers, fuel, care of schoolhouses, books and supplies, (except those furnished from the income of the Sylvia Ann Howland fund and Dog fund,) the term, "care of schoolhouses" including only the salaries of janitors.

Elsewhere in the report is given the cost, by departments, of each pupil, based on the average number belonging and the total amount expended for the maintenance of each department during the year. This last computation furnishes the basis upon which tuition of non-residents will be collected.

TABLE I. The average cost of a High school pupil, $79.15

Grammar school pupil,	28.42
Training school pupil,	30.48
Primary school pupil,	21.65
Ungraded school pupil,	41.62
Elementary Evening school pupil,	3.93
Evening High school pupil,	16.25
Evening Drawing school pupil,	7.61
Day school pupil,	27.26

TABLE II. The average cost per pupil by departments, based on the average number belonging and the total expenditures for each department, not including the expenditures from the Howland fund or Dog fund, was as follows:

High school,	$81.72
Harrington Normal and Training school,	30.74
Grammar schools,	33.38
Primary schools,	25.08
Ungraded schools,	43.67
Evening Elementary schools,	3.93
Evening High school,	16.25
Evening Drawing school,	7.61
Average cost of a day school pupil,	29.76
Average cost of an evening school pupil, including drawing school,	4.80

RECEIPTS AND EXPENDITURES FOR 1901.

RECEIPTS.

General and special appropriations as follows:

For teachers' salaries,	$153,830.00	
For incidentals (including salaries of officers, janitors, books, supplies, etc.)	66,500.00	
For repairs of buildings,	8,500.00	
Heating and ventilating at S. A. Howland school,	5,000.00	
Furnishing new school houses,	13,000.00	$246,830.00

EXPENDITURES.

For teachers' salaries:		
Day schools,	$146,245.43	
Evening schools,	5,740.50	
For salaries: Superintendent, clerks, truant officers and janitors,	$25,449.41	
For books and supplies,	14,445.50	
For lighting,	1,193.75	
For fuel,	12,254.04	
For janitors' supplies,	619.43	
For printing and advertising,	1,262.57	
For Cooking school,	275.47	
For Manual Training school,	324.79	
For freight and carting,	522.26	
For miscellaneous expenses, (including rent, school furniture, washing towels, etc.	8,984.81	
For repairs of buildings,	6,673.37	
For furnishing new school buildings,	14,058.40	
For heating and ventilating at S. A. Howland school,	6,826.63	$244,876.36

Summary:

Receipts,	$246,830.00
Expenditures,	244,876.36
Balance,	$1,953.64

DOG FUND.

Balance, December 1, 1900,	$1,129.46	
Received February, 1901,	1,456.04	$2,585.50
Expenditures,		615.81
Balance,		$1,969.69

Received from the following sources and credited to account of Unappropriated Funds:

Non-resident pupils,	$922.54	
Sale of books and supplies,	45.07	
Sale of old iron,	5.00	$972.61

EXPENDITURES BY DEPARTMENTS.

High school:

Salaries,	$19,197.00	
Text books,	1,047.83	
Stationery,	1,310.50	
Janitor's salary,	1,000.00	
Fuel,	769.12	
Ordinary repairs,	845.62	
Proportion of ordinary expenses,	2,719.99	$26,890.06
Books and supplies from income of Howland fund,		190.41

Harrington Normal and Training school:

Salaries,	$8,410.03	
Text books,	192.09	
Stationery,	215.98	
Janitor's salary,	800.00	
Fuel,	1,130.91	
Ordinary repairs,	101.49	
Proportion of ordinary expenses,	1,109.85	$11,960.35
Books and supplies from income of Howland fund,		80.65

Grammar schools:

Salaries,	$43,405.61	
Text books,	3,471.06	
Stationery,	1,791.35	
Janitors' salaries,	3,894.78	
Fuel,	2,901.73	
Ordinary repairs,	982.90	
Proportion or ordinary expenses,	5,029.94	$61,477.37
Books and supplies from income of Howland fund,		1,401.43

Primary schools:

Salaries,	$68,575.96	
Text books,	2,168.18	
Stationery,	1,794.86	
Janitors' salaries,	9,504.29	
Fuel,	6,932.57	
Ordinary repairs,	5,995.66	
Proportion or ordinary expenses,	8,597.42	$103,568.94
Books and supplies from income of Howland fund,		723.57

Ungraded schools:

Salaries,	$7,256.83	
Text books,	306.34	
Stationery,	156.27	
Janitors' salaries,	1,122.17	
Fuel,	414.46	
Ordinary repairs,	574.33	
Proportion of ordinary expenses,	2,178.26	$12,008.66
Books and supplies from income of Howland fund,		48.04

Manual Training (Sloyd) school: — (also included in Grammar schools).

Salary,	$1,530.00	
Supplies,	325.90	
Proportion of ordinary expenses,	150.00	$2,005.90

Cooking school: — (also included in Grammar and High schools.)

Salary,	$660.00	
Supplies,	287.35	
Proportion of ordinary expenses,	150.00	$1,097.35

Evening Elementary schools:

Salaries,	$4,290.50	
Text books,	261.56	
Stationery,	82.13	
Janitors' salaries,	375.00	
Lighting,	381.09	
Proportion of ordinary expenses,	380.58	$5,770.86

Evening Drawing school:

Salaries,	$447.00	
Stationery,	34.91	
Proportion of ordinary expenses,	73.42	$555.33

Evening High school:

Salaries,	$1,003.00	
Books,	48.69	
Stationery,	124.28	
Janitor's salary,	198.00	
Lighting,	155.29	
Proportion of ordinary expenses,	88.23	$1,527.49

SYLVIA ANN HOWLAND EDUCATIONAL FUND.

Balance of income on hand, Dec. 1, 1900,	$563.76
Interest for the year,	3,000.00
	$3,563.76
Expenditures for the year,	2,933.00
Balance, Dec. 2, 1901,	$630.76
Cost of books and supplies during 1901,	$2,933.00
Cost of books and supplies in stock, Dec. 1, 1900,	92.83
	$3,025.83
Cost of books and supplies charged to schools, 1901,	$2,946.26
Cost of books and supplies in stock, Dec. 2, 1901,	79.57
	$3,025.83

Disbursements to the several schools, and otherwise, are as follows:

High school,	$190.41
Harrington Normal and Training school,	80.65
John H. Clifford school,	505.32
Fifth Street school,	115.44
Robert C. Ingraham school,	656.02
Middle Street school,	91.72
Parker Street school,	32.93
Acushnet Avenue school,	25.99
I. W. Benjamin school,	51.84
Cedar Grove Street school,	57.20
Cedar Street school,	14.23
Clark Street school,	7.55
Cannonville school,	54.66
Dartmouth Street school,	46.45
George H. Dunbar school,	36.50
Thomas A. Greene school,	33.37
Sylvia A. Howland school,	24.82
Horatio A. Kempton school,	124.83
Merrimac Street school,	23.52
Phillips Avenue school,	48.70
Thompson Street school,	133.22
William H. Taylor school,	28.72
Mary B. White school,	11.97
Acushnet school,	30.41
North school,	3.95
Plainville school,	3.79
Rockdale school,	5.27
North Mill school,	2.31
South Mill school,	2.31
Office,	6.87
Binding books,	36.17
Pedagogical library,	9.55
Care of pianos and organs,	408.00
Art department,	2.25
Miscellaneous,	9.60
Sewing department,	28.72
Stock on hand, Dec. 2, 1901,	79.57
	$3,025.83

DETAILED STATEMENT.

Outlay of the School Committee from the income of the Sylvia Ann Howland fund, from Dec. 1, 1900, to Dec. 2, 1901.

BOOKS AND PERIODICALS.

American Book Co.	$60.60	
Appleton, D. & Co.	11.04	
Babb, Edw. E. & Co.	25.03	
Boston School Supply Co.	12.50	
Bardeen, C. W.	3.10	
The Century Co.	20.00	
Cassino, S. E.	4.00	
Castor, T. H. & Co.	2.81	
Clark, W. B. Co.	3.67	
Directors of Old South Work,	5.00	
Educational Pub. Co.	50.51	
Ginn & Co.	221.70	
Grumiau's Newspaper Agency,	2.60	
Hutchinson, H. S. & Co.	64.84	
Houghton, Mifflin & Co.	56.35	
Heath, D. C. & Co.	75.07	
Hammett, J. L. Co.	10.80	
Lothrop Publishing Co.	1.08	
Longmans, Green & Co.	58.07	
Lee & Shepard,	50.63	
Morse Co., The,	44.95	
Mason, Perry & Co.	82.02	
New England Publishing Co.	5.00	
Silver, Burdett & Co.	66.94	
Scribners, Charles Sons,	13 64	
St. John, Thos. M.	1.00	
Shewell, Thos. R. & Co.	2.89	
Taber, Robert W.	31.40	
Thompson, Brown & Co.	1.88	
Walker, Wm. H.	3.00	$992.12

PEDAGOGICAL LIBRARY.

Babb, Edw. E. & Co.	$1.88	
Houghton, Mifflin & Co.	1.85	

Lippincott, J. B. Co.	2.00	
Silver, Burdett & Co.	.42	
Taber, Robert W.	3.40	$9.55

MUSIC DEPARTMENT.

Butler, Wilson R.	$2.00	
Haynes, John C. & Co.	11.35	
Kimball, W. W. & Co.	325.00	
Peirce, George,	408.00	
Sullivan, D. J.	300.00	$1,046.35

BINDING BOOKS.

Sullivan & Markey,	$36.17	$36.17

APPARATUS.

Gardner, Geo. S. & Co.	$35.00	
Hammett, J. L. Co.	36.00	
Hillman, Washburn Co.	7.36	$78.36

ART DEPARTMENT.

Allen, Asa L. H.	$2.00	
Caproni, P. P. & Bro.	15.30	
Crowell, A. B.	99.03	
Hillman, Mary L.	10.00	
Prang Educational Co.	4.75	
Pierce, Wm. H. & Co.	86.40	
Sherman, R. A. & Son,	28.92	
Tillinghast, Ada W.	2.00	$248.40

SEWING DEPARTMENT.

Hayes, N. P.	$5.85	
Haskell & Tripp,	.90	
Johnson, Catherine F.	15.00	
Ruggles & Ellison,	6.97	$28.72

PRIMARY DEPARTMENT.

Ideal Busy Work Co.	$8.67	
Morse Co., The,	2.82	
Perry, George S. & Co.	346.82	$358.31

MISCELLANEOUS.

American Book Co.	$ .50	
Appleton, D. & Co.	.21	
Babb, Edw. E. & Co.	.10	
Bardeen, C. W.	.27	
Clarke, W. B. & Co.	.25	
Heath, D. C. & Co.	5.00	
Kellogg, E. L. & Co.	1.81	
Keystone View Co.	105.00	
Lothrop Pub. Co.	.16	
Longmans, Green & Co.	.89	
McKinley Pub. Co., The,	19.20	
Scribner's, Charles Sons	.28	
Silver, Burdett & Co.	.25	
Tunison, H. C.	1.10	$135.02
		$2,933.00

TEXT BOOKS AND SUPPLIES.

STATEMENT.

Cost of books and supplies purchased during 1901,	$14,445.50
Cost of books and supplies in stock, Dec. 11, 1900,	1,995.68
	$16,441.18
Cost of books and supplies charged to schools in 1901,	$13,020.12
Cost of books and supplies in stock, Dec. 17, 1901,	3,375.99
Cash receipts from the sale of books and supplies,	45.07
	$16,441.18

The cost in detail of books and supplies furnished the several schools for the year 1901 is as follows:

	Books.	*Supplies.*	*Total.*
High,	$1,047.83	$1,308.50	$2,356.33
Harrington Training,	192.09	215.17	407.26

J. H. Clifford Grammar,	1,076.97	272.97	1,349.94
Fifth Street "	479.33	308.53	787.86
Middle Street "	428.61	256.11	684.72
Parker Street "	508.02	504.40	1,012.42
R. C. Ingraham "	978.13	448.34	1,426.47
Acushnet Avenue Primary,	114.58	103.71	218.29
I. W. Benjamin "	169.37	154.70	324.07
Cannonville "	32.18	39.89	72.07
Cedar Street "	87.55	108.02	195.57
Cedar Grove Sreet "	182.84	131.24	314.08
Clark Street "	84.40	100.84	185.24
Dartmouth Street "	138.03	105.02	243.05
George H. Dunbar "	105.61	125.45	231.06
Thomas A. Greene "	110.05	118.97	229.02
Sylvia Ann Howland "	94.53	85.15	179.68
Horatio A. Kempton "	139.39	102.34	241.73
Merrimac Street "	94.32	104.09	198.41
Phillips Avenue "	236.66	135.23	371.89
William H. Taylor Grammar and Primary,	208.04	110.16	318.20
Thompson Street Primary,	278.09	138.34	416.43
Mary B. White "	92.54	58.15	150.69
Acushnet,	110.72	54.33	165.05
North,	59.43	30.43	89.86
Plainville,	23.55	12.42	35.97
Rockdale,	26.13	40.03	66.16
North Mill,	34.33	9.51	43.84
South Mill,	52.18	8.55	60.73
Cedar Street Kindergarten,		6.75	6.75
Cedar Grove Street "		17.30	17.30
Thomas A. Greene "		48.51	48.51
J. H. Clifford Evening,	59.29	23.17	82.46
Fifth Street "	36.30	15.67	51 97
R. C. Ingraham "	145.25	27.69	172.94
Parker Street "	13.81	8.10	21.91
Phillips Avenue "	6.91	7.42	14.33
Evening High,	48.69	124.28	172.97
Evening Drawing,		34.91	34.91
Cooking,		11.88	11.88
Manual Training,		2 21	2.21
Sewing Department,		1.08	1.08
Office,		4.81	4.81
	$7,495.75	$5,524.37	$13,020.12

The average cost per pupil in the different departments of the schools, for text-books and supplies, has been as follows:

High School,	$7.16
Harrington school,	1.05
Grammar schools,	2.47
Primary schools,	.87
Ungraded schools,	1.68
Average for day schools,	1.64
Average for Evening High school,	1.84
Average for Evening Elementary schools,	.23
Average for Evening Drawing school,	.47

These figures do not show the actual cost per pupil for text-books and supplies, but the expenditure per pupil from amount raised by taxation. All musical instruments, supplementary readers, reference books and certain kinds of apparatus are purchased from the income of the Sylvia Ann Howland fund. The actual cost per pupil for text-books and supplies used in instruction would, therefore, be the above figures increased by the amount per pupil expended from the income of the trust fund.

THE SCHOOL CENSUS.

The school census taken in the month of September shows a decrease of fourteen children between the ages of five and fifteen years of age from the returns made the year previous.

I am unable to give a satisfactory reason for this decrease. Other returns go to show that there were more children in the city in the fall of 1901 than in the fall of 1900, and yet the enumerators found less between the ages specified.

It is so difficult to get accurate reports from the various schools of the city, public, private, and parochial, that it is futile to attempt to place the cause for this variation in the census returns. There are pupils reported more than once in the enrollment. The difficulty in getting accurate returns from the schools is caused by pupils shifting back and forth between the public and parochial schools and the different methods of keeping records that prevail.

Again children are not compelled to enter school until they are seven years old and many do not do so until they are at least six.

The census enumerators are faithful in their efforts to take the census accurately I am sure. They meet, however, with many difficulties that are hard to overcome. There are so many parents in the city who speak no English that even with the employment of interpreters, as the enumerators are forced to do, the facts are hard to obtain. Many of these parents are ignorant of the purpose of the census, are suspicious, and withhold the facts.

This difficulty in getting accurate returns is not confined to New Bedford. The complaint is general. The State requires the census to be taken, and until some different plan is devised for taking it, the fluctuations will probably continue in the future as in the past.

THE COST OF THE SCHOOLS.

The appropriations granted by the City Council during the year for the support of the schools amounted to $246,830. There were expended from this account $244,876.36. The department returned to the city treasury the unexpended balance, amounting to $1,953.64. It

also returned to the treasury $972.61, receipts for tuition, sale of books and supplies, etc., making the actual cost of the schools to the City for the year $243,903.75. In addition to this expenditure, there were spent from the dog fund $615.81, and from the income of the Sylvia Ann Howland fund $2,933, making the total actual cost of maintaining the schools for the year $247,452.56.

It has been customary in computing the cost per pupil for purposes of comparison to exclude in the computation the amounts expended from the Howland fund and the dog fund, as well as the amounts received for tuition, sale of books and supplies, etc.

The basis for computation this year, therefore, is the amount expended from the city appropriations, which was $244,876.36. Of this sum $235,900.64 was expended for day schools and $7,747.01 for evening schools, including the evening drawing school.

The average cost per pupil for the day schools was $31.00. This was $3.82 a pupil more than for the year 1900. The cost per pupil for an evening school pupil was $5.38. This was an increase of $1.81 per pupil.

The causes for this large increase are not hard to discover. The furnishing of the three new buildings opened in the fall was $14,058.40; the new heating and ventilating apparatus for the Sylvia Ann Howland School cost $6,826.63; the changes in the High School building and the addition of two teachers to the school was quite an item; the teachers' pay-roll was much larger on account of an additional week caused by a change in the vacation period, but chiefly from the adoption of a rule by which the amount of increase in teachers' salaries a year is now $50 a year until the maximum is reached and not $25 as formerly. The increase in the evening schools was caused by the longer time in which the schools were in session.

The constant increase in the cost of the schools, especially per capita, is a matter that deserves thoughtful consideration. The estimates for the year 1902 show that the cost will be no less, but rather more, than for 1901, not estimating any extraordinary expenses. New Bedford, within a few years, has advanced to the front rank in the cost per capita among the cities in the state and without any general increase in salaries.

Respectfully submitted,

WM. E. HATCH,
Secretary.

NEW BEDFORD PUBLIC SCHOOLS.

RATES OF TUITION FOR NON-RESIDENT PUPILS FOR SUMMER AND FALL TERM 1902, WINTER TERM 1903.

	Summer Term. 1902	Fall Term. 1092	Winter Term. 1903	For the Year.
High School,	$24.52	$30.64	$26.56	$81.72
Grammar School,	10.01	12.52	10.85	33.38
Primary School,	7.53	9.40	8.15	25.08
Normal and Training School,	9.22	11.53	9 99	30.74
Evening Drawing School,				7.61

DEPARTMENT OF PUBLIC SCHOOLS.

BRIEF DESCRIPTION OF THE SCHOOLHOUSES, WITH THEIR ACCOMMODATIONS AND CONDITIONS.

Name of School	Location	Material	No. of stories	No. of schoolrooms	No. of assembly halls	No. of sittings	Year completed	Estimated value
Acushnet Avenue	Acushnet av. near Grinnell st.	Brick	2	10		490	1878	$49,966
Acushnet	Lunds Corner, Acushnet	Wood	2	4		149	1889	7,500
I. W. Benjamin	Division st.	Brick	3	12		588	1891	33,875
Cedar Street	Cor. Cedar and Sycamore sts.	Wood	2	6		295	1855	7,063
Cedar Grove Street	Cedar Grove st.	Brick	3	15		554	1883	35,932
John H. Clifford	Coggeshall st.	Brick	3	12	1	574	1901	75,985
Clark Street	Cor. Clark and Myrtle sts.	Brick	2	8		343	1897	37,847
Cannonville	Rockdale av.	Wood	2	2		82	1853	1,665
Geo. H. Dunbar	Cor. Dartmouth & Dunbar sts.	Brick	2	8		390	1897	45,037
Dartmouth Street	Cor. Dartmouth & Hickory sts.	Wood	2	8		391	1855	17,106
Fifth Street	Cor. Fifth and Russell sts	Brick	3	10	1	490	1860	35,898
Thomas A. Greene	Cor. Fourth and Madison sts.	Brick	2	10		343	1894	66,089
High	Summer, between Mill and North sts.	Brick	3	10	1	475	1876	113 388
Harrington Memorial	Cor. Court and Tremont sts.	Brick	3	10	1	446	1889	55,000
Sylvia Ann Howland	Pleasant, cor. Kempton sts.	Brick	3	7		245	1893	65,100
Robert C. Ingraham	Rivet and Blackmer sts.	Brick	3	12	1	614	1901	81,352
Horatio A. Kempton	Cor. Shawmut av. and Maitland st.	Brick	2	8		339	1901	41,394
Linden Street	Linden st.	Wood	2	4				2,684
Middle Street	Cor. Middle and Summer sts.	Brick	3	9	1	458	1844	35,035
Merrimac Street	Cor. Merrimac and State sts.	Brick	2	6		277	1857	18,113
North	County road	Wood	1	2		62	1852	2,000
Parker Street	Parker, near County st.	Brick	3	12	1	627	1852	50,226
Phillips Avenue	Cor. Phillips av. and Bowditch st.	Brick	2	8		339	1897	47,561
Plainville	Plainville road	Wood	1	1		28	1846	1,000
Rockdale	Hathaway road	Wood	1	2		58	1855	1,254
Thompson Street	Cor. Thompson and Crapo sts.	Brick	3	10		428	1885	37,800
Wm. H. Taylor	Brock av.	Brick	2	8		340	1898	44,977
Mary B. White	Cor. Pleasant and Maxfield sts.	Brick	2	4		199	1881	25,068

RULES GOVERNING TEACHERS' SALARIES.

The salary of a principal of a complete Grammar school, containing at least ten rooms and all the grades, is $1,900 per annum.

The salary of a Primary school principal of a four-room building is $600 per year, which is increased at the rate of $25 for each additional room.

The salaries of assistant teachers in the High school are increased at the rate of $50 per year until the maximum is reached.

The minimum yearly salary of a Grammar school assistant is fixed at $450, and the yearly advance is $50 per year until a yearly salary of $600 is reached. Principals' assistants only are paid $675.

The minimum yearly salary of a Primary school assistant is fixed at $400, and the yearly advance is $50 per year until a yearly salary of $550 is reached.

SALARIES.

HIGH SCHOOL.

Principal,	$2,750
Sub-master,	1,700
Science teacher,	1,700
Classics and science teacher,	1,600
Teacher of commercial course,	1,400
Lady Assistants,	650 to 1,000
Military instructor,	300

NORMAL AND TRAINING SCHOOL.

Principal	$1,500
Vice-principal,	1,100
Science teacher in normal department and primary grades,	1,200
Senior,	4 per week

ELEMENTARY SCHOOLS.

GRAMMAR.

Principals of complete schools,	$1,900
Assistants in ninth grades,	675
Assistants in other grades,	450 to 600

PRIMARY.

Principals,	$600 to 950
Assistants,	400 to 550

UNGRADED.

Principals,	$600 to 900
Assistants,	400 to 600

SPECIAL TEACHERS.

Music,	$1,900
Drawing,	1,200
Sewing,	500 to 600
French,	600
Manual training,	1,600
Cooking,	800

EVENING SCHOOLS.

HIGH.

Principal,	$5.00 per night
Assistants,	1.00 to 3.50 " "

ELEMENTARY.

Principals,	$3.00 to 3.50 per night
Assistants,	1.50 " "

EVENING DRAWING.

Principal,	$4.50 per night
Assistants,	3.00 " "

CALENDAR, 1902.

Winter term begins Dec. 30, 1901; ends March 28, 1902.
Summer term begins April 7, 1902; ends June 27, 1902.
Fall term begins Sept. 8, 1902; ends Dec. 19, 1902.

VACATIONS.

March 29, 1902, to April 7, 1902.
June 28, 1902, to September 8, 1902.
December 20, 1902, to December 29, 1902.

HOLIDAYS.

Every Saturday; Washington's Birthday; Patriots' Day; Memorial Day; from Wednesday noon before Thanksgiving the remainder of the week.

SCHOOL SESSIONS.

Grammar, Manual, Training and Mill schools: From March 1 to November 1, 9 a. m. to 11.45 a. m., 1.45 p. m. to 4 p. m.; from November 1 to March 1, 9 a. m. to 11.45 a. m., 1.30 p. m. to 3.45 p. m.

Primary schools: From March 1 to November 1, 9 a. m. to 12 m., 2 p. m. to 4 p. m.; from November 1 to March 1, 9 a. m. to 11.40 a. m., without recess, 1.30 p. m. to 3.30 p. m.

High school: 8.30 a. m. to 1.30 p. m., during the whole year.

Country schools: Sessions as prescribed by the Committee on Ungraded Schools.

The signal for no session is two strokes of the fire alarm once repeated (2-2).

When given at 8.15 a. m. the morning session shall be omitted.

When given at 12.45 p. m. the afternoon session shall be omitted.

This regulation does not apply to the High school or to the Ungraded schools except those designated by the Board.

The no-session signals on stormy days shall not apply to the sessions of the Manual Training or the Cooking schools, and pupils attending those schools shall not be excused for non-attendance upon them on account of the no-session signal.

1827–1901.

GRADUATING EXERCISES NEW BEDFORD HIGH SCHOOL.

June 28, 1901.

PROGRAMME.

1. March—"Hail to the Spirit of Liberty," - *Sousa*
   Tolman's Orchestra.
2. Prayer.
   By the Rev. Matthew C. Julien.
3. Salutatory—"Gala Days."
   Josephine Catherine Yates.
4. Selection—"Il Trovatore," - - - *Verdi*
   Orchestra.
5. First Bourne Prize Essay—"A Glimpse of a Girl's Life Eighty Years Ago."
   Mary Russell Nelson.*
6. "Eyes."
   Marguerite Elizabeth Bowen.
7. Ballet—"Sylvia," - - - - - *Jansen*
   Orchestra.
8. Oration—"Some Great Movements of the Nineteenth Century."
   Frank Hammett Childs.
9. Overture—"Poet and Peasant," - - *Suppe*
   Orchestra.
10. Valedictory—"Our Pilgrimage."
    Janetta Grant McGregor.
11. Presentation of Diplomas.
    By Hon. F. A. Milliken.
    Chairman of the High School Committee.

*Excused on account of sickness.

12. Class Ode, - - Words by Carolyn Parker Brightman
Music by Everett Francis Buffington

I.

'Tis with mingled joy and sadness
That we gather here today,
Knowing well that on the morrow,
Each must go his separate way.
Noble thoughts and aspirations,
Noble deeds our aim shall be;
Loyal ever to our motto—
"Worth, the one nobility."

II.

Four bright years we've been together;
Now our school days here are o'er;
Mem'ries sweet of bygone pleasures,
We will cherish evermore.
Precepts from the past enjoin us
That we strive, in life, to be
Loyal ever to our motto—
"Worth, the one nobility."

III.

Just what future lies before us,
Classmates dear, we cannot tell;
Let us leave it to the Father,
One who doeth all things well.
Let us fight life's battles bravely,
Come defeat or victory,
With this watchword on our banner—
"Worth, the one nobility."

13. March—"San Toy," - - - - *Jones*
Orchestra.

CLASS OF 1901.

"Virtus Sola Nobilitas."

Regular and College Courses.

(Four Years.)

Frank Hammett Childs,
Alphonse Joseph Lenoir,
Annette Brown Ashley,
Marguerite Elizabeth Bowen,
Carolyn Parker Brightman,
Harriet Parker Brownell,
Mary Bryant
Charlotte Smith Christopher,
Jennie Margaret Deacon,
Laura Borden Fuller,
Helen Adelaide Howland,
May Belle Jason,
Esther Louise Karcher,
Mary Lucina Killigrew,
Emma Fairchild Longley,
Janetta Grant McGregor,
Mary Russell Nelson,
Myrtilla Galvan Sequeira,
Lizzie May Stow,
Mary Margaret Sullivan,
Julia Veronica Tresham,
Ella Burden Tripp,
Laura Howland Wilde
Amy Thurston Wordell,
Josephine Catherine Yates,
Juliet Pauline Zimmermann.

Special.

Mary Alice Chase.

Commercial Course.

(Three Years.)

Everett Francis Buffington,
Edward Everett Clarke,
Manuel Henry Gonsalves,
Amos Mechaber,
Joseph Daniel Murray,
Kate Barnet,
Elsie Marion Borden,
Lillian Russell Davenport,
Fanny Anna Mechaber,
Sarah Mechaber,
Ella Frances Rogers,
Mabel Rose Thilo,
Ida May Tripp.

Specials.

Mary Louise Donaghy,
Mary Katherine Doran,
Emma Ethelwyn Hathaway.

GRADUATING EXERCISES
GRAMMAR AND UNGRADED SCHOOLS.

June 27, 1901.

PROGRAMME.

1. Prayer.
   Rev. Percy Gordon.
2. Song—"Summer Morning," - - *H. Smart*
3. Composition—"A Greeting" (in Latin.)
   Grace Estelle Hunt,
   Parker Street Scoool.
4. Composition—"Scott and the Lay of the Last Minstrel."
   Cora Webster Stanley.
   Fifth Street School.
5. Song—"The Banner of the Free," *Brierley Richards*
   Arr. by E. L. Nourse.
6. Composition—"The Girl of Yesterday and Today."
   Della Esther Tripp.
   Middle Street School.
7. Address.
8. Song—"Hark to the Nightingale," - *Franz Abt*
   Arr. by L. B. Marshall.
9. Presentation of Diplomas.
   Mr. Robert W. Taber.
   Chairman Committee on Grammar Schools.

   Mr. John H. Lowe.
   Chairman Committee on Ungraded Schools.

Music conducted by Mr. Fred H. Butterfield,
Supervisor of Music.

The Graduates are from the Following Schools:

Grammar Schools.

Fifth Street—Mr. Allen F. Wood, Principal.
Middle Street—Mr. George H. Tripp, Principal.
Parker Street—Mr. Arthur F. Gilbert, Principal.

Ungraded Schools.

Acushnet—Miss Annie C. Maxfield, Principal.
North—Miss Mary I. Ashley, Principal.
Rockdale—Miss Addie W. French, Principal.

Total Number of Graduates.

Grammar Schools, - - - - - -	201
Ungraded Schools, - - - . -	16
Grand total, - - - - - - -	217

GRADUATING EXERCISES

HARRINGTON NORMAL AND TRAINING SCHOOL.

December 18, 1901.

ORDER OF EXERCISES.

Prayer.

Rev. O. Howard Perkins.

Music—"Ebb and Flow," - - - - - *King*

Thesis—"Some Birds of This Locality."

Miss Noland.

Thesis—"The Aim of Education."

Miss Durfee.

Music—"The Torrent," - - - *Marchant*

Presentation of Diplomas.

Mr. William E. Hatch,

Superintendent of Schools.

Address—"School Discipline and Character Training."

Mr. Charles S. Chapin,

Principal Rhode Island State Normal School.

Graduates.

Jane Elizabeth Conway,
Gertrude Lawrence Corish,
Mary Elizabeth Cunningham,
Mary Elizabeth Durfee,
Mary Edith Ferrell,
Mary Ellen Goggin,
Mary Agnes Horan,
Louise Caroline Loughlin,
Bessie Marie Noland,
Clara Eliza Sherman.

Theses.

"Grade IV: Its Place in a School System," - - Miss Conway
"Illustrations and Their Use," - - - - - Miss Corish
"Seat Work," - - - - - - - - Miss Cunningham
"The Aim of Education," - - - - - - Miss Durfee
"The Child's Work and Play," - - - - Miss Ferrell
"Soils," - - - - - - - - - - Miss Goggin
"Language in Relation to the Child's Development," Miss Horan
"Physiographic Features as Shown on a City Street," Miss Loughlin
"Some Birds of This Locality," - - - - Miss Noland
"The Art of Study," - - - - - - - - Miss Sherman

SCHOOL BOARD, 1901.

CHARLES S. ASHLEY, Mayor, Chairman, ex-officio.

ROBERT W. TABER, Vice-Chairman.

WILLIAM E. HATCH, Secretary and Superintendent.

JOHN L. G. MASON, President of Common Council, ex-officio.

Ward 1—J. Frank Weeks, Frank R. Pease, John H, Lowe.

Ward 2—Walter B. Flanders, Henry T. Corson, Lewis E. Bentley.

Ward 3—George W. H. Brownell, Stephen H. Shepherd, John E. Gibbs.

Ward 4—Ada W. Tillinghast, Frank A. Milliken, Alex Mc. L. Goodspeed.

Ward 5—Betsey B. Winslow, Otis S. Cook, Robert W. Taber.

Ward 6—Arthur E. Buffington, Joseph C. Pothier, John F. Rogers.

STANDING COMMITTEES.

WILLIAM E. HATCH, Secretary.

The first named on each Standing Committee is Chairman of the same.

On High School—Milliken, Pothier, Winslow, Pease, Taber, Tillinghast, Buffington, Weeks, Bentley, Shepherd.

On Grammar Schools—Taber, Pothier, Milliken, Lowe, Tillinghast, Winslow, Buffington, Bentley, Weeks, Corson.

On Primary Schools and Kindergartens—Pothier, Winslow, Weeks, Taber, Lowe, Pease, Gibbs, Rogers, Shepherd.

On Ungraded and Evening Schools—Lowe, Weeks, Pease, Rogers, Bentley, Goodspeed, Gibbs, Corson, Brownell, Flanders.

On Normal and Training School and Examination of Teachers—Winslow, Milliken, Buffington, Tillinghast, Goodspeed, Pothier, Rogers.

On Truants—Rogers, Gibbs, Goodspeed, Corson, Cook.

On Manual Training and Music—Weeks, Winslow, Pease, Rogers, Bentley, Shepherd, Corson, Brownell, Cook.

On Text Books—Tillinghast, Milliken, Buffington, Goodspeed, Gibbs, Flanders, Brownell.

On Expenditures—Taber, Milliken, Pease, Lowe, Pothier, Weeks, Bentley, Buffington, Rogers, Mason.

On Howland Fund—Shepherd, Taber, Milliken, Weeks, Buffington, Lowe, Pothier, Bentley, Tillinghast, Mason.

On Rules—Rogers, Gibbs, Corson, Milliken, Cook.

Special Committee on Art—Shepherd, Tillinghast, Winslow, Goodspeed, Flanders.

SCHOOL BOARD, 1902.

CHARLES S. ASHLEY, Mayor, Chairman *ex-officio*.

FRANK A. MILLIKEN, Vice-Chairman.

WILLIAM E. HATCH, Secretary and Superintendent.
Office, 166 William Street.
Office hours, 8.30 to 9 a.m., 12.30 to 1 p.m. Saturdays, 9 to 9.30 a.m.

SAMUEL HIGHAM, President of the Common Council, *ex-officio*.

Regular meetings of the Board, first Monday of each month at 7.30 p. m., except in the months of January, August and September. In January and September the meetings will be held the Tuesday after the first Monday. In August no meeting will be held.

Name.	*Place of Business.*	*Residence.*
	WARD ONE.	
John H. Lowe,		935 Acushnet avenue.
J. Frank Weeks,	Cor. Acushnet av. and Tarkiln Hill road.	Cor. Acushnet av. and Tarkiln Hill road.
Frank R. Pease,	923 Acushnet av.	921 Acushnet av.
	WARD TWO.	
Lewis E. Bentley,	Supt. Bennett Spinning Co.	526 Purchase street.
Walter B. Flanders,		16 Homer street.
Henry T. Corson,	639 County street.	643 County street.
	WARD THREE.	
Edgar B. Hammond,	179 North Water st.	66 North street.
George W. H. Brownell,	Standard Office.	147 Hillman street.
Stephen H. Shepherd,	Standard Office.	154 Maxfield street.
	WARD FOUR.	
Alex. McL. Goodspeed,	37 Purchase street.	20 Seventh street.
Ada W. Tillinghast,		37 Eighth street.
Frank A. Milliken,	Masonic Building.	8 Lincoln street.

WARD FIVE.

William C. Hawes,	Masonic Building.	73 Borden street.
Betsey B. Winslow,		315 County street.
Otis S. Cook,	1 Masonic Building.	75 Walnut street.

WARD SIX.

John F. Rogers,	100 Potomska street.	97 Acushnet avenue.
Arthur E. Buffington,	1 Crapo street.	27 Crapo street.
Joseph C. Pothier,	245 Fourth street.	247 Fourth street.

EMMA M. ALMY, Superintendent's Clerk.
MARY C. POTTER, Assistant Clerk in Superintendent's Office.

HENRY SMITH, Truant Officer, - - - 372 Cottage street.
WILLIAM A. BAKER, Truant Officer, - - 213 Fourth street.
Office hours, 12.30 to 1 p. m.; Saturdays, 9 to 9.30 a. m.

GEORGE K. DAMMON, Janitor and Messenger, 136 Campbell St.

Office of Superintendent of Schools open 8.30 a. m. to 4.30 p. m., except Saturdays. Saturdays, from 9 a. m. to 11 a. m., 2 p. m to 4 p. m.

STANDING COMMITTEES.

WILLIAM E. HATCH, Secretary.

The first named on each Standing Committee is Chairman of the same.

On High School—Milliken, Pothier, Winslow, Pease, Tillinghast, Buffington, Weeks, Bentley, Shepherd, Lowe.

On Grammar Schools—Tillinghast, Milliken, Pothier, Lowe, Winslow, Buffington, Bentley, Weeks, Corson, Brownell.

On Primary Schools—Pothier, Winslow, Weeks, Lowe, Pease, Rogers, Shepherd, Cook, Flanders.

On Ungraded Schools—Lowe, Weeks, Pease, Rogers, Bentley, Goodspeed, Corson, Brownell, Flanders, Hawes.

On Normal and Training School and Examination of Teachers—Winslow, Milliken, Buffington, Tillinghast, Goodspeed, Pothier, Rogers, Hammond.

On Truants—Rogers, Goodspeed, Corson, Cook, Hawes.

On Manual Training and Music—Weeks, Winslow, Pease, Rogers, Bentley, Shepherd, Corson, Brownell, Cook.

On Text Books—Tillinghast, Milliken, Buffington, Goodspeed, Flanders, Brownell, Hawes.

On Expenditures—Pothier, Milliken, Pease, Lowe, Weeks, Bentley, Buffington, Rogers, Corson, Higham.

On Howland Fund—Shepherd, Milliken, Weeks, Buffington, Lowe, Pothier, Bentley, Tillinghast, Hammond, Higham.

On Rules—Rogers, Corson, Milliken, Cook, Hammond.

Special Committees on Art—Shepherd, Tillinghast, Winslow, Goodspeed, Flanders.

Teachers and Janitors.

JANUARY, 1902.

HIGH SCHOOL.

Summer street, between Mill and North streets.

Wilson R. Butler, Principal,	15 Chestnut street,	$2,750
William E. Sargent, Sub-Master and Mathematical Teacher,	396 Union street,	1,700
Charles T. Bonney, Jr., Classics and Science Teacher,	343 So. Orchard street,	1,600
Charles R. Allen, Science Teacher,	276 Union street,	1,700
Edwin H. Harris, Commerc'l Teacher,	8 Park place,	1,400
Lydia J. Cranston, Assistant,	129 Elm street,	1,000
Elizabeth P. Briggs, "	2 Arch street,	900
Mary E. Austin, "	512 Kempton street, (absent on leave)	900
Mary E. Poole, Assistant,	86 Court street, (supply teacher)	
Lucretia N. Smith, Assistant,	508 Cotttage street,	900
Emma K. Shaw, "	4 Morgan terrace,	900
Helen L. Hadley, "	220 Grinnell street,	900
Mabel W. Cleveland, "	81 North street,	900
Mary C. Wiggin, "	42 Summer street,	900
Katharine M. Crabtree, "	20 Seventh street,	800
Hannah E. Rollins, "	35 Eighth street,	750
Henrietta E. Hardy, "	35 Eighth street,	900
Edmond E. Baudoin, Milit'y Inst'r,	171 Court street,	300
Clerk, Sarah D. Ottiwell,	184 Kempton street,	600
Janitor, James A. Wood,	209 Purchase street,	1,000

HARRINGTON NORMAL AND TRAINING SCHOOL.

Court street, corner of Tremont street.

Cora A. Newton, Principal,	86 Court street,	1,700
Mary E. Trask, Vice-Principal,	86 Court street,	1,100

Grade.			
Carolyn D. Wood, Normal Teacher and Nature Supervisor in Primary Grades,		92 High street,	$1,200
6 Kate Moore,	Assistant,	105 Park street,	650
5 Madeline Gile,	"	86 Court street,	600
4 Mary J. Read,	"	65 Cottage street,	600
3 Grace W. Russell,	"	417 Union street,	600
2 May Johnson,	"	26 Seventh street,	500
1 Hattie L. Shafter,	"	89 Chancery street,	500

SENIORS—to graduate in December :

		Per week.
Phebie E. Baker,	213 Fourth street,	4.00
Emma G. Casey,	Hathaway road,	4.00
S. Ruth Cook,	107 Fourth street,	4.00
Annie B. Gidley,	No. Dartmouth,	4.00
Bessie M. Harwood,	53 No. Ash street,	4.00
Lucy W. Howland,	So. Dartmouth,	4.00
Carrie J. Hunt,	147 Maxfield street,	4.00
Annie R. Keith,	57 Bay street,	4.00
Laura M. King,	Fairhaven, Mass.	4.00
Alice G. Lloyd,	Fairhaven, Mass.	4.00
Florence E. Moore,	427 Pleasant street,	4.00
Anna C. Rogers,	97 Acushnet avenue,	4.00
Ethel M. Rogers,	48 So. Ash street,	4.00
Frances A. Sequeira,	155 Grinnell street,	4.00
Carolyn B. Sylvia,	280 Fourth street,	4.00

JUNIORS :

Harriett P. Brownell,	133 Chestnut street.
Mary Bryant,	97 Austin street.
Lottie S. Christopher,	63 Chancery street.
Jennie M. Deacon,	417 Union street.
Marion H. Dexter,	148 Summer street.
Elizabeth Faisneau,	43 Sycamore street.
Laura B. Fuller,	92 Hillman street.
May B. Jason,	111 South Seventh street.
Mary E. Kane,	530 Cottage street.
Esther L. Karcher,	35 Hollyhock street.
Mary L. Killigrew,	304 Cedar street.
Myrtilla C. Sequeira,	155 Grinnell street.
Lizzie M. Stow,	77 Smith street.
Julia V. Tresham,	241 Brownell street.

Laura H. Wilde,	35 Chestnut street.	
Josephine C. Yates,	151 Merrimac street.	
Janitor, Robert Arnett,	141 Tremont street.	$800

GRAMMAR SCHOOLS.

John Henry Clifford.

Coggeshall street, corner Bowditch street.

Grade.			
	Edward B. Gray, Principal,	Fairhaven, Mass.,	$1,900
9	Emma A. McAfee, Assistant,	63 Fifth street,	675
8	Katherine E. Kenyon, "	74 Walnut street,	600
7	Lizzie A. Nickerson, "	31 Sycamore street,	600
6	Emma A. Eaton, "	613 County street,	600
6	Flora M. Corwin, "	111 Summer street,	600
5	Louise M. Newhall, "	232 Pleasant street,	600
5	Rachel M. Wordell, "	No. Dartmouth, Mass.,	600
5	Susan Gifford, "	Fairhaven, Mass.,	600
4	Mary O. Lamb, "	37 Hill street,	550
	Janitor, William Woolfenden,	907 County street,	900

Fifth Street.

Fifth street, corner of Russell street.

	Allen F. Wood, Principal,	111 Acushnet avenue,	1,900
9	Lydia A. Macreading, Assistant,	33 Bonney street,	675
8	Sarah E. Stoddard, "	352 County street,	600
8	Mary E. Allen "	25 Madison street,	600
7	Mary W. Lemunyon, "	56 So. Emerson street,	600
7	Mary A. Kane, "	127 Grinnell street,	600
6	Grace L. Carver, "	243 Acushnet avenue,	600
6	Annie C. Hart, "	35 Fifth street,	600
5	Helen C. Hervey, "	578 County street,	450
5	Lottie M. Allen, "	118 Fifth street,	600
5	Florence M. Ellis, "	95 School street,	600
	Janitor, Henry T. Phillips,	108 Bonney street,	700

Robert C. Ingraham.

Rivet street, between Acushnet avenue and Second street.

	Alice C. Munsey, Principal,	43 Fifth street,	1,900
9	N. Emma Slack, Assistant,	79 Fifth street,	675

Grade			
8	Elizabeth M. Briggs, Assistant,	296 County street,	$600
8	Agnes M. James, "	21 Fifth street,	600
7	Cora B. Cleveland, "	81 North street,	600
7	Annie L. Murkland, "	55 Walnut street,	600
6	Helen T. Maxfield, "	Fairhaven, Mass.,	600
6	Anna H. Bartlett, "	74 Walnut street,	600
6	Lila D. Hayne, "	103 Sycamore street,	600
6	Clara E. Sherman, "	248 County street,	450
5	Mary A. Macy, "	51 Russell street,	600
5	Grace W. Glines, "	94 Elm street,	600
5	Sarah A. Sawyer, "	55½ Fifth street,	600
	Janitor, Dennis J. McAuliffe,	276 Coggeshall street,	900

ROBERT C. INGRAHAM ANNEX.

In Thompson Street School Building.

5	Martha I. Shaw, Assistant,	95 School street,	600

MIDDLE STREET.

Summer street, between Elm and Middle streets.

	Elwyn G. Campbell, Principal,	56 State street,	1,900
9	Lucy B. Fish, Assistant,	37 Sycamore street,	675
9	Lucy F. Winchester, "	Fairhaven, Mass,,	675
8	Etta M. Abbott, "	233 Middle street,	600
8	Anastasia O'Keefe, "	35 Mill street,	600
7	Julia C. Gifford, "	18 Bedford street,	600
7	Lizzie E. Omey, "	63 Thomas street,	600
6	Clara S. Vincent, "	233 Middle street,	600
6	Helen McCoy, "	74 Walnut street,	600
5	Regina M. Paul, "	71 Morgan street,	600
5	Elizabeth D. Hicks, "	98 Hillman street,	600
	Janitor, Leroy G. Tripp,	71 North street,	700

PARKER STREET.

Parker street, near County street.

	Arthur F. Gilbert, Principal,	26 Seventh street,	1,900
9	Anna L. Jennings, Assistant,	215 Maxfield street,	675
6	Mariana N. Richmond, "	34 High street,	675
8	Daisy M. Butts, "	116 Willis street,	600

Grade			
8	Belle B. Wheeler, Assistant,	3 Mt. Vernon street,	$600
7	Emily A. Delano, "	East Freetown, Mass.,	600
7	Mary L. Petty, "	22 Pope street,	600
6	A. Mabel Drew, "	89 Chancery street,	600
6	Louise E. Hicks, "	98 Hillman street,	550
6	Lila B. Lewis, "	131 Summer street,	600
5	Lillian T. Thomas, "	Hathaway road,	600
5	Rose M. Meaney, "	220 North street,	600
5	S. Agnes Holmes, "	671 County street,	600
	Janitor, John Corish,	86 Mill street,	700

PARKER STREET ANNEX:

In Horatio A. Kempton School Building.

6	Jane E. Conway, Assistant,	122 Acushnet avenue,	450
5	Marie Clifford, "	216 Summer street,	600

PRIMARY SCHOOLS.

ACUSHNET AVENUE.

Acushnet avenue, near Grinnell street.

	Jane C. Thompson, Principal,	99 West South street,	750
4	Nellie A. Walker, Assistant,	16 Fifth street,	550
	(absent on leave)		
4	Gertrude L. Corish, Assistant,	86 Mill street,	400
	(supply teacher)		
3	Caroline S. Silva, Assistant,	63 Washington street,	550
3	Mary C. Barstow, "	337 So. Orchard street,	550
3 and 2	Ella W. Cake, "	419 Union street,	550
2	Catherine O'Connell, "	59 Fifth street,	550
2	Eudora K. Barry, "	285 Cedar street,	450
1	Julia M. Pilling, "	96 Sixth street,	550
1	Lida J. Brightman, "	120 Acushnet avenue,	550
1	Lucie White, "	East Freetown, Mass.,	550
	Janitor, Samuel S. Broadbent,	66 Washington street,	700

I. W. BENJAMIN SCHOOL:

Division street, between Acushnet avenue and Second street.

	Jane E. Gilmore, Principal,	245 Acushnet avenue,	800
4	Nellie W. Davis, Assistant,	115 Summer street,	550

Grade			
4	Hannah E. Norton, Assistant,	52 Locust street,	$550
3	Alice A. Taylor, "	299 County street,	550
3	Florence M. Anthony, "	208 Grinnell street,	550
3	Ethel Bliss, "	233 Arnold street,	500
2	Sophie T. Anthony, "	123 Fifth street,	550
2	Flora A. Pearl, "	74 Walnut street,	550
2	Cecilia A. Deane, "	77 Fifth street,	550
1	Emma L. Gartland, "	9 Washington street.	550
1	Laura C. McCabe, "	153 Grinnell street,	550
1	Mary F. Livingston, "	160 County street,	550
1	Anne J. Chase, "	11 Chestnut street,	450
	Janitor, Edwin S. Tallman,	129 South Street,	800

CANNONVILLE:

Rockdale avenue, near Kempton street.

3 & 4	Adelaide J. McFarlin, Principal,	272 Cottage street,	575
1 & 2	Florence A. Poole, Assistant,	98 Parker street,	550
	Janitor, Thomas A. Wall,	900 Rockdale avenue.	150

CEDAR STREET:

Cedar street, corner of Maxfield street.

4	Annie G. Brawley, Principal,	68 Walden street,	650
3	Madeline A. Gregg, Assistant,	124 Maxfield street,	550
2	Mabel L. Hathaway, "	216 Middle street,	550
1 & 2	Esther W. Paul, "	Cor. Union & Palmer sts.	550
1	Ruth M. Tripp, "	399 Union street,	550

KINDERGARTEN DEPARTMENT:

Ada S. Blake, Principal,	183 Kempton street,	550
Susan F. Haskins, Assistant,	87 Chestnut street,	400
Janitor, Robert J. Moncrieff,	42 Hazard street.	600

CEDAR GROVE STREET:

Cedar Grove street, near Acushnet avenue.

	Agnes J. Dunlap, Principal,	258 Pleasant street,	875
4	Mary R. Dalton, Assistant,	401 Purchase street,	550
4	Kate Sweet, "	287 Kempton street,	550
3	Alice P. Winchester, "	Fairhaven, Mass.,	550

Grade			
3	Florence A. Howland, Assistant,	13 Allen street,	$550
3	Minnie H. Smythe, "	32 Parker street,	550
2	Sara Peckham, "	271 Union street,	550
2	Mary P. Brownell, "	133 Chestnut street,	550
2	Harriet A. Taylor, "	114 Willis street,	550
2	Mary E. Boardman, "	54 Weld street,	550
1	Grace W. Dillingham, "	64 Willis street,	550
1	Mary I. McCormick, "	433 Purchase street,	450
1	Ethel E. Clapp, "	234 Coffin avenue,	400
1	Gertrude Hawes, "	No. Dartmouth, Mass.,	550
1	Mary W. Snow, "	68 Parker street,	500

KINDERGARTEN DEPARTMENT:

Anna Hill, Principal,	216 Middle street,	550
Irene M. Bassett, Assistant,	83 Summer street,	550
Janitor, Frederick O. Pollock,	171 Mill street,	900

CLARK STREET:

Clark street, corner Myrtle street.

4 Elizabeth P. Spooner, Principal,	129 Hillman street,	675
3 Isabella Luscomb, Assistant,	245 Cedar street,	550
3 Annie S. Ray, "	41 Parker street,	550
2 Lucia E. Bliss, "	134 Arnold street,	550
2 Harriet J. Thorpe, "	10 Richmond street,	550
1 Mary E. Bumpus, "	Fairhaven, Mass.,	475
1 Lucy S. Leach, "	163 Maxfield street,	550
Janitor, Edwin Jones,	12 Mt. Pleasant Lane,	700

DARTMOUTH STREET:

Dartmouth street, corner Hickory street.

4 Isadore F. Eldridge, Principal	71 Bonney street	700
4 Sarah F. Pratt, Assistant	66 So. Sixth street,	550
3 Carrie W. Bliss "	233 Arnold street	550
3 Carolyn S. Jones "	55 Court street	550
2 Nellie H. Cook "	53 Walnut street	550
2 Jeanette B. Fuller "	34 Grape street	550
1 Annie F. Smith "	50 Fifth street	550
1 Nellie L. Foster "	211 Grinnell street	550
Janitor, John Lumbert,	1 Harrison street	650

GEORGE H. DUNBAR:

Dartmouth street, corner of Dunbar street.

Grade			
4	M. Eva Schwall, Principal	21 Bonney street	$700
3 & 4	Mary V. Perry, Assistant	93 Bedford street	550
3	Mary L. Rogers "	97 Acushnet avenue	550
2	Angela F. Bowie "	111 Dartmouth street	550
2	Helen G. Malley "	218 Fourth street	550
1	Grace H. Potter "	100 Madison street	550
1	Jennie A. Murphy "	301 Arnold street	550
1	Alice J. Lawrence "	351 County street	550
	Janitor, Thomas C. Holmans	66 Cottage street	700

THOMAS A. GREENE:

Fourth street, corner Madison street.

4	Annie L. Macreading, Principal	33 Bonney street	725
4	Bertha C. Hathaway, Assistant	269 Arnold street	550
3	Eliza H. Sanford "	112 Fourth street	550
2 & 3	Louise C. Loughlin "	9 Lindsey street	400
2	Sarah E. Sears "	350 County street	550
1	Caroline E. Bonney "	152 Bonney street	550
1	Nellie E. Ashley "	116 So. Sixth street	550
1	Mary E. Durfee, "	151 Grinnell street	400

KINDERGARTEN DEPARTMENT:

Josephine H. Cobb, Principal,	117 Washington street	550
Ethel S. Gibbs, Assistant	27 Sycamore street	550
Janitor, Phylander Chase	303 County street	700

SYLVIA ANN HOWLAND:

Pleasant street, between High and Kempton streets.

Grade.			
4	Marion H. Swasey, Principal	25 So. Emerson street	625
3	Mary J. Graham, Assistant	82 Court street	550
2	Helen J. Kirk "	27 Franklin street	550
1 & 2	Ruth E. Wilde "	35 Chestnut street	550
1	Helen L. Corish "	86 Mill street	550
	Janitor, Hiram T. Lumbert	130 Mill street	700

HORATIO A. KEMPTON:

Shawmut avenue, near Maitland street.

Grade			
4	Bessie P. Peirce, Principal	97 Willis street	$650
3	Edith M. B. Taber Assistant	82 Walden street	550
2 & 3	Amelia A. Murray "	319 Park street	550
2	Alice E. Jenney "	68 Spruce street	550
1	Charlotte G. Tourtelotte "	65 Walden street	450
1	Clara L. Bennett "	17 Lincoln street	450
	Janitor, Edward I. Lawrence	49 So. Emerson street	700

MERRIMAC STREET:

Merrimac street, corner State street.

1	Harriet S. Damon, Principal	223 Pleasant street	650
1	Margaret T. Kane, Assistant	530 Cottage street	450
2	Mary F. McIntyre "	69 Willis street	450
3	Anna I. Dexter "	11 Franklin street	550
3	Adelaide West "	232 Pleasant street	550
4	Julia A. Ellis "	31 Maitland street	550
	Janitor, Albert P. White	166 Campbell street	600

PHILLIPS AVENUE:

Phillips avenue, corner Bowditch street.

4	Carrie E. Footman, Principal	131 Elm street	675
4	Edith W. Pratt, Assistant	95 School street	500
3	Mary E. Peckham "	271 Union street	550
2 & 3	Edith A. Austin "	232 Pleasant street	450
2	Grace B. Gardner "	Fairhaven, Mass.	450
1	Alice B. Church "	68 Forest street	400
1	Helen I. Boyd "	95 School street	550
	Janitor, John H. Rudge	131 Merrimac street	700

WILLIAM H. TAYLOR:

Brock avenue.

6 & 7	Mary E. McAuliffe, ranking teacher	24 Madison street	700
5	Vashti M. Crosby, Assistant	13 Allen street	600
4	Mary E. Gleason "	Clara street	500
3	Elizabeth J. Hurley "	232 Sawyer street	450

Grade			
2	Adelaide M. Cota, Assistant,	85 Morgan street	$500
1	Elizabeth C. Carter "	311 Middle street	400
1	Bertha M. Martindale "	110 South Seventh street	550
	Janitor, Henry M. Gifford	Dudley street	650

MARY B. WHITE:

Maxfield street, corner Pleasant street.

4	Mary E. Pasho, Principal (absent on leave)	169 Grinnell street	600
4	Mary E. Goggin, Supply Teacher	587 Acushnet avenue	400
3	Clara C. M. Gage, Assistant	46 Summer street	550
2	Annie E. Pearce "	47 Locust street	550
1	Margaret H. Holmes "	661 County street	550
	Janitor, William J. Cochrane	189 North street	550

THOMPSON STREET:

Thompson street, corner of Crapo street.

4	Sarah E. Kirwin, Principal	101 South Sixth street	700
3	Kate W. Chace, Assistant	152 Fair street	450
3	Catharine A. McGuiness "	48 Rockland street	450
2	Bertha E. Jenney "	25 Arch street	500
2	Emily W. Davis "	63 Bay street	500
1	Harriet S. Ashley "	16 Crapo street	550
1	Sarah A. Winslow "	315 County street	550
1	Mary E. Cunningham "	131 South Second street	400
	Janitor, James T. Heron	87 Washington street	700

SOUTH MILL SCHOOL:

Meaney's Hall, corner So. Water and Division streets.

Lucy J. Remington, Principal	67 Fifth street	620
Ruby M. Tripp, Assistant	71 Willis street	550

COUNTRY SCHOOLS.

ACUSHNET:

Acushnet avenue, near Lunds Corner.

8 and 9	Annie C. Maxfield, Principal	216 Middle street	900
6 and 7	Sara A. Russ, Assistant	216 Middle street	600

Grade.		
3, 4 and 5	Mary G. La Plante, Assistant, Acushnet, Mass.	$600
1 and 2	Harriet N. Hyatt " Acushnet, Mass.	550
	Janitor, George W. Dexter Acushnet, Mass.	450

NORTH :

County Road.

Mary I. Ashley, Principal	Clifford, Mass.	600
Eliza H. Cushing, Assistant	64 Allen street	550
Janitor, Otis A. Sisson	Clifford, Mass.	150

PLAINVILLE :

Plainville Road.

Eudora Lawrence, Principal	Shawmut, Mass.	600
Janitor, Philip Poole,	Shawmut	75

ROCKDALE :

Hathaway road, near Rockdale avenue.

Lizzie M. Fisher, Principal,	Acushnet, Mass.	600
Alice P. Terry, Assistant		450
	Cor. Hathaway road and Rockdale avenue	
Janitor, Harry O. Casey	Hathaway road	120

SPECIAL TEACHERS.

DRAWING :

Lucy C. Bedlow	20 Seventh street	1,200

COOKING :

S. Agnes Donham	169 Middle street	800

FRENCH :

Lois A. Leonard	3 Maple street	600

SEWING :

Lena M. Willis	64 Russell street	600
Gertrude H. Leonard	23 Seventh street	525
Harriet S. Phillips	195 Cottage street	525
Dora Parker	133 Chestnut street	500
		(at rate of)

SINGING :

Fred H. Butterfield	140 Summer street	$1,900

MANUAL TRAINING :

Edwin R. King	94 State street	1,600

EVENING DRAWING SCHOOL:

In Textile School Building.

		Per Night.
George H Nye, Principal	233 Cottage street	$4.50
Katharine M. Crabtree, Assistant	20 Seventh street	3.00
Fred M. Reed "	161 Maxfield street	3.00
Oliver H. Gardner	48 North street	3.00

EVENING HIGH SCHOOL:

In High School Building.

		Per Night.
William E. Sargent, Principal	396 Union street	$5.00
Charles R. Allen, Assistant	276 Union street	3.50
Charles T. Bonney, Jr. "	343 South Orchard street	3.50
Edwin H. Harris "	8 Park place	3.50
Clara E. Sherman "	248 County street	2.00
Isabel S. Horr "	100 State street	1.00
Marie E. Schwartz "	362 County street	2.00

EVENING ELEMENTARY SCHOOLS.

JOHN HENRY CLIFFORD SCHOOL:

Coggeshall street, corner Bowditch street.

		Per night
Edward B. Gray, Principal		$3.50
Carolyn S. Jones,	Assistant	1.50
Annie B. Gidley	"	1.50
Mellie G. Harding	"	1.50
Sylvia W. Paulding	"	1.50
Abby R. Johnson	"	1.50
Mary R. Hinckley	"	1.50
Alice Kelleher	"	1.50
Elizabeth A. Dunn	"	1.50
Dora DeW. Denby	"	1.50

		Per night
Amelia A. Murray,	Assistant,	$1.50
Gillian M. Barnes	"	1.50
Susan Gifford	"	1.50
Catherine A. McGuinness	"	1.50
Mary E. Gleason	"	1.50
Emma A. Eaton	"	1.50
Katherine E. Kenyon	"	1.50
George Marsden	"	1.50
Lizzie M. Fisher	"	1.50
Jennie T. Bolles	"	1.50
Jane W. Stetson	"	1.50

FIFTH STREET:

Fifth street, corner of Russell street.

Elwyn G. Campbell,	Principal	3.50
Helen McCoy,	Assistant	1.50
Clara S. Vincent	"	1.50
Julia C. Gifford	"	1.50
Etta M. Abbott	"	1.50
Sarah E. Stoddard	"	1.50
Ruth M. Tripp	"	1.50
Sara Peckham	"	1.50
Kate Moore	"	1.50
Julia M. Pilling	"	1.50
Jennie B. Fuller	"	1.50
Caroline E. Bonney	"	1.50
Mary R. Dalton	"	1.50
Florence A. Howland	"	1.50
Mary E. Cunningham	"	1.50

PARKER STREET:

Parker street, near County street.

Mary A. Kane,	Principal	3.50
Regina M. Paul,	Assistant	1.50
Rose M. Meaney	"	1.50
Sara L. Tallman	"	1.50
Harriet J. Thorpe	"	1.50
Hannah E. Norton	"	1.50
Helen L. Corish	"	1.50
Harriet A. Taylor	"	1.50

		Per night
Margaret Holmes	Assistant,	$1.50
Ruby M. Tripp	"	1.50
Mary F. McIntyre	"	1.50
Minnie H. Smythe	"	1.50
Lucia E. Bliss	"	1.50

ROBERT C. INGRAHAM SCHOOL:

Rivet street, between Acushnet avenue and Second street.

Joseph P. Kennedy, Principal		3.50
Janet Hunter,	Assistant	1.50
Kate K. Whelden	"	1.50
Emma L. Gartland	"	1.50
Annie F. Smith	"	1.50
Helen G. Malley	"	1.50
Alice A. Taylor	"	1.50
Mary L. Rogers	"	1.50
Mary V. Perry	"	1.50
Cecilia A. Deane	"	1.50
Mary E. Holden	"	1.50
Mary E. Goggin	"	1.50
Mary E. Bumpus	"	1.50
James F. Briggs	"	1.50
Clara A. Farrell	"	1.50
Sarah A. Winslow	"	1.50
Jane A. Alden	"	1.50
Nellie H. Cook	"	1.50
Marguerite Gibson	"	1.50
Rose M. Perry, Teacher of Portuguese		1.50
John F. Silva " " "		2.00

PHILLIPS AVENUE:

Phillips avenue, corner Bowditch street.

Eliza G. M. Jenney, Principal		3.00
Nellie L. Foster,	Assistant	1.50
Mary G. LaPlant	"	1.50
Helen T. Maxfield	"	1.50
Sarah A. Russ	"	1.50

AVERAGE AGE OF PUPILS IN VARIOUS GRADES.

HIGH SCHOOL.

Senior		Sub-Senior		Junior		Sub-Junior		Average Age	
Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.
17	10	17	3	16	6	15	6	16	7

GRAMMAR DEPARTMENT.

School	Fifth Year		Sixth Year		Seventh Year		Eighth Year		Ninth Year		Average Age	
	Yrs.	Mos	Yrs.	Mos	Yrs.	Mos	Yrs.	Mos	Yrs.	Mos	Yrs.	Mos
John Henry Clifford	12	2	12	7	13	1	13	8	15	5		
Fifth Street	11	2	12	4	13	2	13	7	14	10		
Harrington Normal and Training	11	5	12									
Robert C. Ingraham	11	6	12	6	13	3	13	11	14	11		
Middle Street	11		12	1	13		13	9	14	10		
Parker Street	11	6	12	1	13	1	13	10	14	8		
William H. Taylor	11	5	11	11	13	4						
Av. age by grades	11	5	12	3	13	2	13	9	14	11	13	1

UNGRADED SCHOOLS.

School	Grammar Department.		Primary Department		Average Age	
	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.
Acushnet	12	10	8	9		
North	12	8	7	6		
Plainville	12	6	6	11		
Rockdale	12	9	7	1		
South Mill	14		14			
Average age by departments	12	11	8	10	10	10.5

KINDERGARTENS.

School	Yrs.	Mos.
Cedar street	4	5
Cedar Grove street	4	10
Thomas A. Greene	4	6
Average age	4	7

AVERAGE AGE OF PUPILS IN VARIOUS GRADES.

PRIMARY DEPARTMENT.

School	First Year		Second Year		Third Year		Fourth Year		Average Age	
	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.
Acushnet avenue	7	7	9	4	10	2	10	11		
I. W. Benjamin	6	9	8	8	9	11	10	6		
Cannonville	6	6	8	3	8	6	10	1		
Cedar street	6	6	8		8	5	9	11		
Cedar Grove street	7	3	8	11	10	4	11	8		
Clark street	6	8	8	1	9	7	10	6		
John Henry Clifford							11	1		
Dartmouth street	6	6	7	8	8	5	10			
George H. Dunbar	6	6	8	1	10		11			
Thomas A. Greene	7		8	6	9	4	11	6		
Sylvia Ann Howland	7	1	7	5	9	2	10	9		
Horatio A. Kempton	6	6	7	10	9	4	9	10		
Merrimac street	6	5	8	6	10	5	10	9		
Phillips avenue	6	10	8	3	10		11	3		
William H. Taylor	7		8	3	9	7	10	6		
Thompson street	6	9	7		10		10	9		
Mary B. White	6	4	7	11	9	5	10	5		
Harrington Normal and Training	6		8		9	2	10	6		
Av. age by grades	6	9	8	2	9	6	10	8	8	9

Number of pupils who have left the High school during the year 1901, and causes:

	Boys	Girls	Totals
Seniors	1	3	4
Sub-Seniors	11	4	15
Juniors	11	19	30
Sub-Juniors	27	24	51
	50	50	100

Causes for leaving:

	Boys	Girls	Totals
Illness	2	11	13
Moved from city	4	5	9
At work	23	4	27
Not promoted	4	13	17
Neglect of school work	13	14	27
Went to private school	4	3	7
	50	50	100

Number of pupils who have left the High school during the year 1901, by periods as follows:

	Jan. to July			Sept. to Jan.			Jan. to Jan.		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
Seniors	1	3	4	0	0	0	1	3	4
Sub-Seniors	6	2	8	5	2	7	11	4	15
Juniors	6	16	22	5	3	8	11	19	30
Sub-Juniors	24	15	39	3	9	12	27	24	51
	37	36	73	13	14	27	50	50	100

Graduates of 1901 who have passed examination for the following named colleges and schools:

	Boys	Girls	Totals
Brown	1		1
Mt. Holyoke		1	1
Harrington Training (entered Jan., 1902)		15	15
Bridgewater Normal School		1	1
Wellesley		2	2
	1	19	20

Graduates of 1901 pursuing advanced courses at the following named institutions:

	Boys	Girls	Totals
Brown	1		1
Mt. Holyoke		1	1
Harrington Training (entered Jan., 1902)		15	15
Bridgewater Normal Schools		1	1
Wellesley		2	2
	1	19	20

Pupils entering the High school in September, 1901:

	Boys	Girls	Totals
From New Bedford Public schools	57	105	162
From other schools	15	20	35
	72	125	197

Post graduates in the High school in 1901:

	Boys	Girls	Totals
January to June		2	2
September to December		17	17
		19	19

	Commercial Course			General Course			College Course		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
Seniors	0	0	0	2	31	33	14	5	19
Sub-Seniors	6	9	15	0	30	30	24	17	41
Juniors	27	17	44	12	20	32	28	21	49
Sub-Juniors	26	33	59	28	73	101	22	17	39
	59	59	118	42	154	196	88	60	148

Intention of present pupils concerning advanced courses. Classical course (to enter college with Greek):

	Boys	Girls	Totals
Seniors	3	1	4
Sub-Seniors	7	2	9
Juniors	9	5	14
Sub-Juniors			
	19	8	27

To enter college without Greek:

	Boys	Girls	Totals
Seniors	11	4	15
Sub-Seniors	17	15	32
Juniors	19	16	35
Sub-Juniors			
	47	35	82

To enter Scientific, Medical or Law School:

	Boys	Girls	Totals
Seniors	3		3

To enter the Harrington Training School:

	Boys	Girls	Totals
Seniors		33	33
Sub-Seniors		25	25
Juniors		26	26
Sub-Juniors			
	—	—	—
		84	84

APPROVED LIST OF TEXT-BOOKS TO BE USED IN THE HIGH SCHOOL.

SCIENCE.

Allen's Laboratory Manual.
Atkinson's Lessons in Botany.
Avery's Natural Philosophy.
Avery's School Physics.
Elementary Physics—Harvard College.
Gifford's Elementary Physics.
Mill's Realm of Nature.
Overton's Applied Physiology.
Packard's Zoology.
Pierce's Problems in Physics.
Remsen's Chemistry.
Stone's Experimental Physics.
Youman's Botany.

GEOGRAPHY.

Tarr's Physical Geography.
Tilden's Commercial Geography.

PHYSIOLOGY AND HYGIENE.

Hutchinson's Physiology and Hygiene.

MATHEMATICS.

Atwood's Exercises in Algebra.
Harvard University Syllabus of Propositions in Geometry.
Packard's New Commercial Arithmetic.
Well's Academic Arithmetic.
Wentworth's School Algebra.
Wentworth's College Algebra.
Wentworth's Plane Geometry, Revised.
Wentworth's Plane and Solid Geometry.
Wentworth's Trigonometry.

BOOKKEEPING AND STENOGRAPHY.

Actual Guide to Business Practice, Ellis.
Barnes' Shorthand Manual.
A. T. Hill's Commercial Law.
Meservey's Bookkeeping.
Munson's Art of Phonography.
New Complete Book-keeping, Williams and Rogers.
Our Own Typewriter Instructor, Harper.

MUSIC.

Beacon Song Collection.

HISTORY.

Allen's Short History of the Roman People.
Barnes' History of Ancient Peoples.
Botsford's History of Greece.
Botsford's History of Rome.
Fiske's Civil Government.
Fiske's History of the United States.
Lancaster's History of England.
Larned's English History.
Martin's Civil Government.
Montgomery's Facts in English History.
Myer's History of Greece.
Swinton's Outlines World's History.

ENGLISH.

Addison's The Sir Roger de Coverly Papers.
Brooks' English Literature.
Bryant's Thanatopsis and Others. English Classic Series.
Buehler's Practical Exercises in English Composition.
Burke on American Taxation.
Burke on Conciliation with America.
Byron's Childe Harold.
Carlyle and Hawthorne, Modern Classics, Legends of the Province House.
Carlyle's Essay on Burns.
Chaucer's Prologue to the Canterbury Tales.
Church's Stories from the Iliad.
Church's Stories from Virgil.
Coleridge's The Ancient Mariner.

Cooper's Last of the Mohicans.
De Foe's The Plague Year.
DeQuincey's Revolt of the Tartars.
Dowden's Shakespeare.
Dryden's Palamon and Arcite.
Eliot's Silas Marner.
Franklin's Autobiography.
Goldsmith's The Traveller and Deserted Village.
Goldsmith's Vicar of Wakefield. (Small.)
Goldsmith's Vicar of Wakefield. (Large.)
Hawthorne's House of the Seven Gables.
A. S. Hill's Foundation of Rhetoric.
D. J. Hill's Rhetoric and Composition.
Holmes' The Chambered Nautilus.
Irving's Sketch Book.
Lewis' A First Book in Writing English.
Lockwood's Lessons in English.
Longfellow's Evangeline. Modern Classics.
Longfellow's Tales of a Wayside Inn.
Lowell's My Garden Acquaintance.
Lowell's The Vision of Sir Launfal.
Macaulay's Essay on Lord Clive.
Macaulay's Second Essay on the Earl of Chatham.
Macaulay's Essays. Milton and Addison.
Macaulay's Lays of Ancient Rome.
Milton's L'Allegro, Il Penseroso, Comus and Lycidas.
Milton's Paradise Lost, Book I. Sprague.
Palgrave's Golden Treasury.
Pancoast's Introduction to American Literature.
Pope's Iliad, Books I., VI., XXII., XXVI.
Scott's Ivanhoe.
Scott's Kenilworth.
Scott's Lady of the Lake.
Scott's Quentin Durward
Scott's Rob Roy.
Scott's Lay of the Last Minstrel.
Select Essays and Poems.
Shakespeare's a Midsummer Night's Dream. (Rolfe edition.)
Shakespeare's As You Like It, and Julius Cæsar. Vol. I. (Hudson edition.)
Shakespeare's Hamlet. (Hudson notes.)
Shakespeare's Macbeth.
Shakespeare's Merchant of Venice. (Hudson edition.)
Shakespeare's Richard III.

Southey's Life of Nelson.
Southworth's and Goddard's Elements of English Grammar.
Spencer's Faerie Queen. (First Canto.)
Swift's Gulliver's Travels. (Selections.)
Tennyson's Elaine.
Tennyson's Guinevere.
Tennyson's The Coming and Passing of Arthur.
Tennyson's The Holy Grail.
Tennyson's The Princess.
Thackeray's Vanity Fair.
Underwood's American Authors.
Underwood's British Authors.
Webster's First Bunker Hill Oration.
Whitney-Lockwood's English Grammar.
Wordsworth's The Excursion and Ode on Immortality

GERMAN.

Boisen's German Prose.
Chamisso. Peter Schlemil's Wundersame Geschichte.
Eichendorf's Aus dem Leben Eines Taugenichts.
Freytag. Aus dem Staat Friedrich's des Grossen.
Goethe's Hermann und Dorothea.
Goethe's Dichtung und Wahrheit.
Grimm's Haus Marchen.
Harris's German Composition.
Harris's German Lessons.
Heine. Die Harzreise.
Heath's German and Engish Dictionary.
Hewett's German Reader.
Joynes' Meissners' German Grammar.
Otto's German Grammar.
Lessing's Mina von Barnhelm.
Riehl's Der Fluch der Schonheit.
Schiller's Wilhelm Tell, Das Glied von der Glocke.
Stein's German Composition.
Von Hillern's Höher als die Kirche
Wenckebach's Deutscher Anschauungs Unterricht.
Wenckebach's Deutsche Grammatik.
Wenckebach's Lyrics and Ballads, Die Schonstein Deutschen Lieder.

GREEK.

Autenrieth's Homeric Lexicon.
Goodwin's Greek Grammar.

Goodwin's Xenophon and Herodotus.
Harper's Xenophon's Anabasis (for "Xenophon at Sight,")
Jones's Greek Prose Composition.
Manatt's Xenophon's Hellenica, Books I-IV.
Perrin's Homer's Odyssey (for "Homer at Sight.")
Seymour's School Iliad.
White's First Lessons in Greek.
White's First Greek Book.
Whiton's Abridgement of Liddell and Scott's Greek Lexicon.
Woodruff's Greek Prose Composition.

LATIN.

Allen and Greenough's Cæsar.
Collar and Daniel's First Latin Book.
Collar's Practical Latin Composition.
Collar's Via Latina.
Greenough's Virgil.
Harkness's Cicero.
Harkness's Latin Grammar.
Harper's Virgil (for "Virgil at Sight.")
Jones's Latin Prose Composition.
Kelsey's Selections from Ovid.
Lindsay's Nepos.
Moulton's Latin Composition.
Moulton & Collar's Preparatory Latin.

FRENCH.

About. La Mere de la Marquise.
Bedolliere. La Mere Michael et sou Chat.
Chardenal's Complete French Course.
Corneille. Le Cid, Horace.
Daudet. Le Siege de Berlin.
De Lamartine. Graziella.
De Vigny. Cinq Mars.
Dumas. La Tulipe Noire.
Erckmann-Chatrian. Le Conscrit de 1813.
Grandgent's Selections French Composition.
Grandgent's Short French Grammar.
Greville. Dosia.
Halevy. Un Marriage d'Amour.
Hennequin's Idiomatic French.
Keetel's French Reader.

Labiche. Le Voyage de M. Perrichon.
La Famille de Germandre. Sand.
La Fontaine. Fables, Books I and II.
Lamartine. Jeanne d'Arc.
Merrimee Colomba.
Moliere. L'Avare.
Moliere. Le Bourgeois Gentilhomme.
Racine. Andromaque, Iphigenie.
Roulier's First Book in French Composition.
Sand. Le Mare au Diable.
Sandeau. Mademoiselle de la Seigliere.
Scribe et Legouve. Bataille de Dames.
Spier's and Surenne's French Dictionary.
Super's French Reader.
Van Daell's French Grammar.

SUPPLEMENTARY BOOKS USED IN THE HIGH SCHOOL.

American Poems.
Anthon's Classical Dictionary.
Appleton's School Physics.
Bartlett's Familiar Quotations.
Berlitz Methode fur den Deutschen Unterricht, Zweiter Theil.
Brewer's Reader's Handbook.
Bryant's Library of Poetry and Song.
Carhart and Chute's Physics.
Chamber's Encyclopedia.
Chauvenet's Geometry.
Comus.
Courtship of Miles Standish.
Craik's English of Shakespeare, Julius Cæsar.
David Copperfield, Dickens.
Dictionary of Biology and Mythology.
Emerson's Addresses and Lectures.
Emerson's American Scholar.
Emerson's Essays.
Fiske's Civil Government.
French Dictionary.
Goldsmith's Plays.
Goldsmith's Poems.

Grandgent's Materials based on La Derniere Classe.
Greene's Short History of England.
High School Music Reader.
Hudson's Shakespeare, Vol. II.
Kimball's Materials, based on Colomba.
Latin and English Lexicon.
La Tour de la France.
Lippincott's Gazetteer.
Little Daffydowndilly, Hawthorne.
Lodge's Mechanics.
Lowell's Poems.
Luquien's French Prose.
Macaulay's Essay on Johnson.
Macaulay's Essays on Goldsmith, Bunyan and Madame D'Aublay.
Macaulay's Life and Writings of Addison.
McCurdy's Exercises in Algebra.
Manual of Mythology.
Martin's English Language.
Materials of French Compositions based on Le Siege de Berlin.
Milton and Byron. Macaulay.
Model Etymology. Webb.
Myer's Mediæval and Modern History.
Patriotic Selections.
Perry's Bible Manual.
Phillpot's Selections from Xenophon, Part I.
Richardson's Chemistry.
Scott's Poems.
Scott's Woodstock.
Selected Poems, Browning.
Selected Poems, Wordsworth.
Shaler's First Book in Geology.
Shelley's The Skylark and Adonais.
Smith's Principia Latina.
Smith's Smaller History of Greece.
Sprague's Masterpieces in English Literature.
Strang's Exercises in English.
Tales of a Traveller, Irving.
Tennyson's Poems, Complete.
Thackeray's Essays on Prior, Gay, Pope, Hogarth, Smollett, Fielding, Sterne and Goldsmith.
Thackeray's Essays on Swift, Congreve and Steele.
The Abbott, Scott.
The Four Georges, Thackeray.
The Euterpean.

The Talisman, Scott.
Webster's Unabridged Dictionary.
Well's Plane and Solid Geometry.
Wentworth and Hill's Algebra.
Wheeler's Logarithms.
Wheeler's Trigonometry.
White's Arithmetic.
Whittier's Poems.
Worcester's Small Dictionary.
Worman's German Echo.

TEXT-BOOKS USED IN THE GRAMMAR SCHOOLS.

Progressive Course in Reading, Fourth Book, Part I.
Progressive Course in Reading, Fourth Book, Part II.
Progressive Course in Reading, Fifth Book, Part I.
Progressive Course in Reading, Fifth Book, Part II.
Graded Literature Reader, Fourth Book.
Graded Literature Reader, Fifth Book.
Harrington's Speller, Parts I and II.
Hyde's Two-Book Course in English, Book I.
Hyde's Two-Book Course in English, Book II.
Metcalf's English Grammar.
Bradbury's Eaton's Practical Arithmetic.
Bradbury's Eaton's Elementary Arithmetic.
Seaver and Walton's Mental Arithmetic.
Prince's Arithmetic, Part IV.
Prince's Arithmetic, Part V.
Prince's Arithmetic, Part VI.
Redway's Natural Advanced Geography.
Redway's Natural Elementary Geography.
Longman's Geography.
Longman's Atlas.
Webster's High School Dictionary.
Webster's Academic Dictionary.
Gifford's Elementary Physics.
Blaisdell's How to Keep Well.
May's Anatomy, Physiology and Hygiene.
Montgomery's American History.
Judson's The Young American.
National New Second Music Reader.

National New Third Music Reader.
National New Fourth Music Reader.
Collar and Daniel's First Latin Book.
Harkness' Latin Grammar.
Grandgent's French Exercises.
Hotchkiss' First French Book.
Prang's Drawing Books.
Merrill's Vertical Writing Books.
Heath's Natural System of Vertical Writing.

APPROVED LIST OF SUPPLEMENTARY BOOKS USED IN GRAMMAR SCHOOLS.

GRADE V.

1. Our World, No. 1.
2. Seaside and Wayside, No. 2.
3. Stories of American Life and Adventure.
4. Old Greek Stories.
5. Heart of Oak Series, No. 3.
6. Longfellow Leaflets.

SPECIAL STUDY IN LITERATURE.

Hiawatha, Longfellow.

GRADE VI.

1. Eggleston's Elementary History of U. S.
2. Seaside and Wayside, No. 3.
3. King of the Golden River, Ruskin.
4. Dana's Plants and Their Children (also in VII.)
5. Old Stories of the East.
6. Gods and Heroes, Francillon.
7. Heart of Oak Series, No. 4.

SPECIAL STUDY IN LITERATURE.

Courtship of Miles Standish.

GRADE VII.

1. Higginson's Young Folks History U. S.
2. Hawthorne's Grandfather's Chair.

3. Kingsley's Water Babies.
4. The Story of Greece, Gueber.
5. Dana's Plants and Their Children (also in VI.)
6. By Land and Sea.

SPECIAL STUDY IN LITERATURE.

Evangeline, Longfellow.

GRADE VIII.

1. Tanglewood Tales, Hawthorne.
2. The Study of the Romans.
3. Life in Asia.
4. The Sketch Book, Irving.

SPECIAL STUDY IN LITERATURE.

Snow Bound, Whittier.

GRADE IX.

1. Tales from Shakespeare, Lamb.
2. Ballou's Footprints of Travel.
3. Ethics of Success.
4. Selections from American Authors, Eliot.
5. Ballads and Lyrics, arr. by H. C. Lodge.

SPECIAL STUDY IN LITERATURE.

The Vision of Sir Launfal, Lowell.

SETS OF SUPPLEMENTARY BOOKS FOR OCCASIONAL READING.

Dickens' Child's History of England.
Anderson's Historical Reader.
Collier's British History.
Goodrich's History, U. S.
Johonnot's Geographical Reader.
Scribner's Geographical Reader.
Child's Book of Nature, Parts I, II, III, IV.
Choice Readings in Nature's Book.
Swinton's Book of Tales.
Swiss Family Robinson.
Lady of the Lake.
Hiawatha.

Quentin Durward.
Golden Book of Choice Readings.
American Authors.
Swinton's American Classics.
Swinton's English Classics
Metcalf's Language Exercises.
Steele's Physiology.

SUPPLEMENTARY BOOKS IN SETS OF THREE FOR GENERAL READING.

Fables and Folk Stories.
Arabian Nights.
Æsop's Fables, Vols. I and II.
Vicar of Wakefield.
Black Beauty.
Little Men.
Little Lord Fauntleroy.
At the Back of the North Wind.
Hans Brinker.
Heroic Ballads.
Frye's Child and Nature.
Peasant and Prince.
Prince and Pauper.
Classic Myths in English Literature.
Blue Jackets of 1776.
Blue Jackets of 1812.
Blue Jackets of 1861.

TEXT-BOOKS USED IN THE PRIMARY SCHOOLS.

Progressive Course in Reading, First Book.
Progressive Course in Reading, Second Book.
Progressive Course in Reading, Third Book.
Graded Literature Readers, First Book.
Graded Literature Readers, Second Book.
Graded Literature Readers, Third Book.
Hyde's Two-Book Course in English, Book I.
Prince's Arithmetic, Part II.

Child's Health Primer.
National New Second Music Reader.
Prang's Drawing Books.
Heath's Natural System of Vertical Writing.
Merrill's Vertical Writing Books.

SUPPLEMENTARY BOOKS USED IN THE PRIMARY SCHOOLS.

GRADE I.

The Beginner's Book, Bass.
The Children's Primer, Cyr.
The Werner Primer.
Our Little Book for Little Folks.
Child Life, Part I., Blaisdell.
Stepping Stones to Literature, First Reader.

GRADE II.

The Children's First Reader, Cyr.
Nature's Byways.
Stepping Stones to Literature, First Reader.
Stories for Children, Lane.
Animals, Wild and Tame, Anna C. Davis.
Plant Life, Bass.
Round the World, Part I, Carroll.

GRADE III.

The Children's Second Reader, Cyr.
Fables and Folk Stories, Scudder.
Stories of Great Americans for Little Americans.
All the Year Round, Autumn.
All the Year Round, Winter.
All the Year Round, Spring.
Animal Life, Bass.
Nature Study, Myths, Stories, Poems—Wilson.
Stepping Stones to Literature, Second Reader.
Round the World, Part I, Carroll.

GRADE IV.

The Children's Third Reader, Cyr.
Hans Andersen's Stories, Scudder.

Through the Year, Book I.
Through the Year, Book II.
Seven Little Sisters.
Each and All.
Stepping Stones to Literature, Third Reader.
Stories of American Life, Eggleston.
Round the World, Part II, Carroll.
Heart of Oak Series, No. II.

SUPPLEMENTARY BOOKS IN SETS OF THREE.

Grimm's German Household Tales, III, IV.
Selections from Whittier's Child Life.
Legends of Norseland.
Hiawatha Primer.
Stories of the Red Children, Brooks.
Stories of Great Inventors, IV (Fulton, Whitney, Morse, Cooper, Edison.)
Stories of Colonial Children, Pratt.
Little Folks of Other Lands.
Baldwin's Readers.
Longfellow Leaflets, Riverside Press.
Longfellow, Whittier, Lowell, Holmes.
Young Folks Library.
Lincoln, No. 31.
Franklin, No. 29.

ANNUAL REPORT

OF THE

SUPERINTENDENT OF SCHOOLS

FOR THE YEAR

1901.

Report of the Superintendent.

To the School Committee:

Ladies and Gentlemen: — I submit for your consideration my Fourteenth Annual Report. It is the forty-first in the series of the annual reports of the Superintendent of Schools of this city.

By vote of your Board, this report, together with that of the Secretary, is to constitute the Annual Report of the School Committee.

Each year the Superintendent of Schools is required by the rules of the School Committee to report upon the condition and progress of the schools of the city. This he does at considerable length, and with the expenditure of much time and thought. This report is intended primarily for home consumption. But it seems to the writer that often it is effort in a large measure wasted, so far as any practical results come from the time and labor bestowed. The statistics so fully set forth in the report do not appear to attract the attention they ought, or incite the action hoped for.

If these statistics show an ever increasing expenditure, the question should be raised whether this growing expenditure is warranted and whether it is in the right direction. If it is adding to the educational value of the schools in what appears to be the best way, well and good, provided it is judicious, and will not tend to produce a reaction harmful in its effects. If unwise and in the

wrong direction, it should be checked and diverted into proper channels.

If statistics of attendance show that the schools are suffering from the indifference and neglect of parents or teachers, remedies should be sought and applied. If they show that rooms are overcrowded by which the opportunities of many children are lessened and perhaps their health endangered, action should be taken to do away with such conditions.

If in any way it appears from the report that the progress of the schools is being retarded and their efficiency impaired, and the remedy lies with the school authorities, it should be applied at once. If it rests with the public, their interest should be aroused that a change may be secured.

With a growing community, and the constant evolution in educational ideas, the question of ways and means and the determination of educational values demand earnest consideration on the part of all interested in the welfare of the schools.

Schools will only give forth the best results when the citizens of the community take a deep interest in them, and manifest this interest by knowing what they are doing and insisting upon such an administration of them as shall be business-like and shall produce the very best educational results that the time and money expended should produce.

There is more waste in the schools of nearly every city with which I am acquainted by far than there should be—waste from misdirected expenditure, waste in time from poor attendance, waste from poor teaching and careless co-ordination of work. It may be asked why superintendents do not remedy these faults. The answer might well be, if they had the wisdom, they do not have the power to act. In most places, and in regard to most matters, they can simply advise, and their

advice may or may not be taken according to circumstances. If the School Committee, acting upon the advice of the Superintendent and their own personal knowledge of the schools, take action to remedy evils which exist, too frequently the condemnation of the public is bestowed upon it when praise should be given. Our citizens should know the schools better, their organization, their condition and their aims, and the Annual Report of the Superintendent should be one of the chief agencies through which this knowledge is acquired.

ATTENDANCE.

A change has been made in the requirements for State returns so the report from each city and town shall cover the school year from September to July. The reports hitherto made in the Annual Report have been identical with the fiscal year, namely, from January to January. Beginning this year, and hereafter, all returns of attendance and similar matters in the Annual Report will correspond to the period covered by the requirements of the State registers. The total expenditures will be for the period covered by the fiscal year of the city; but the cost per pupil will be based on the attendance from September to July. Owing to the change the complete table for attendance will differ this year somewhat from previous ones. The change will make the item of enrollment in the schools more accurate. With all care taken, it is evident that many pupils have in the past been enrolled twice. This will be less likely to occur in the future.

The schools are expected to train pupils in the practice of good habits. Teachers, that they may do their duty in this respect, try to secure regular and prompt attendance of the pupils at school. In their efforts they

are not always seconded by parents. Parents ought to recognize that they have a duty to perform in these matters that reaches even beyond their own children. The schools are the daily workshops of the children, and they cannot get their work done as it ought to be if they are not present at every session. Their absence also affects others in their classes. Frequent tardinesses are bad in their moral effect. Those who labor in the larger world find that promptness is a necessary requisite to success in most of the affairs of life. The schools suffer more than they should from absences, tardinesses and dismissals. That the teachers are not at fault for this condition of things I am sure. By the regulations a pupil's name is dropped from the roll when he has been absent ten days; yet the per cent. of attendance (with all deductions not showing after ten days' absence) was but 92.2. This means that 600 pupils, besides those who were dropped from the rolls to be reinstated later (a large number), were absent on an average each school day. To this add the loss of time for various other reasons during the year, and it becomes evident that poor attendance is one of the causes why better progress is not made by many pupils.

Every pupil who is dismissed fifteen minutes before the close of school each day loses two whole school weeks in a year. Yet, there are many pupils who are dismissed for that length of time every day. The loss of time in schools by reason of these matters enumerated and others is a serious evil that is growing rather than diminishing.

TRUANCY.

The reports of the truant officers for the year are given below. They show an increase of absences without permission over the previous year, especially in the dis-

trict north of Union street. There were one hundred and thirty-eight cases of absence without permission. Of these there were twenty-seven second offences and thirteen third offences. There were but seven prosecutions and sentences to the truant school. So it is evident that the work of the officers is efficient in checking the habit of truancy without resort to extreme action. Their reports show that dealing with direct truancy is a small part of what is expected of them.

REPORT OF HENRY SMITH, TRUANT OFFICER.

Schools visited	1,808
Absences reported	591
Absences without permission	66
Second offences	14
Third offences	8
Parents or guardians notified	571
Taken to school from street	9
Arrests	4
Prosecutions	4
Sent to Truant school	4
Transfer cards received	368
Evening school absences investigated	114
Visit to mills	72
Violations of labor laws	4

REPORT OF WILLIAM A. BAKER, TRUANT OFFICER.

School visited	1873
Absences reported	658
Absences without permission	72
Second offences	13
Third offences	5
Parents or guardians notified	738
Taken to school from street	27
Arrests	3
Prosecutions	3
Sent to Truant school	3
Transfer cards received	335

Evening school absences investigated	282
Visits to mills	78

EMPLOYMENT CERTIFICATES.

Employment certificates granted	785
Duplicate certificates granted	33

These two lines conceal a great deal of clerical labor and many appeals to the Superintendent requiring his time and attention.

Very many, if not the majority, of those who apply for certificates to work are not born in the city and many in foreign countries. The parents of a great number speak no English and some appear not to realize the sacredness of an oath. They frequently do not know the year in which their children are born, but do know that they must be fourteen years old before they can work. Many can present no birth or baptismal certificates which bear evidence of the children's age, but are ready to swear that they are fourteen, giving themselves the benefit of the doubt. Figures in passports and other documents are sometimes changed with deliberate purpose evidently to deceive. They must be assisted in this by others who are fully informed as to requirements. In some cases it is practically impossible to secure satisfactory evidence of the age of the applicants. Great care is exercised in issuing certificates, but undoubtedly each year, in a few cases, certificates are issued which should have been withheld.

SCHOOLHOUSES.

It is a pressing problem with every growing community to properly house its increasing school population. Even with the many children withdrawn from the public

schools to attend private or parochial schools scarcely a city keeps apace with the demand of the schools for suitable schoolhouses. It is a constant tax upon the resources of every community, and must continue to be so as long as education is general and compulsory.

As the problem must be met and a solution found, and as it is one that will continue to present itself, it seems that a more business-like way might be found for dealing with it than prevails at present in most places.

Under the plan that now prevails generally, schoolhouses varying greatly in relative cost and varying also in hygïenic conditions are built by successive city administrations with no general plan and with little consideration for the future, but simply to meet the immediate demand. Frequently a building begun in one administration is completed by another, often with additional cost or with diminished interest. Sometimes the work remains incomplete for a long time because a succeeding administration is unwilling to carry out what it considers the mistake of its predecessor. There is a school yard in this city surrounding a large primary school which has remained ungraded for five years because the administration under which the construction of the building began failed to make provision for grading the lot at the time the contract was made for erecting the building.

Three new schoolhouses were completed during the year and went into commission at the opening of the schools in the fall. One, a twelve-room building with assembly hall that will seat five hundred and seventy-five pupils, is located on a square bounded by Acushnet avenue and Second street, and Rivet and Blackmer streets, and is a fine structure of red brick with granite trimmings. The rooms are large, with ample light, every room getting some sunshine during the day, and is now well heated and ventilated. The trouble of regulating

the mixture of hot and cold air that prevailed at first, it is hoped, has been remedied. It has been named the Robert C. Ingraham school in honor of the late Robert C. Ingraham, Esq., for many years the esteemed city librarian. This building was immediately filled with grammar pupils which had been attending the Thompson street school, and by an adjustment of the district lines to relieve the Fifth street school it was necessary to place an overflow room in the Thompson street schoolhouse.

Another schoolhouse, the counterpart as to architecture of the above mentioned, was erected on the corner of Bowditch and Coggeshall streets. It has been named the John H. Clifford school in honor of the city's distinguished citizen, Hon. John H. Clifford, Governor of Massachusetts. But nine of the twelve rooms are as yet in use, but without question all will be occupied next fall. This is also a grammar school. Certain faults connected with the arrangements for heating and ventilating have not yet been remedied in this building.

The third schoolhouse was erected on Shawmut avenue near the head of Maitland street, and is intended for a primary building. It has been named the Horatio A. Kempton school in honor of the late Horatio A. Kempton, Esq., for many years a zealous and efficient member of the School Board. It is now filled, being occupied by six primary grades and two grammar grades, the latter being overflow rooms from the Parker Street Grammar school. This building is an eight-room, red brick structure, with granite trimmings. It is an excellent building, being the counterpart of the schoolhouse on Clark's Point.

Notwithstanding the addition of these three new buildings there is at present but one unused schoolroom in the district just north of Clark's Cove, and that an attic room in the Thompson Street schoolhouse, neither well ventilated nor lighted. Meaney's Hall has not been

given up and has now two classes in it. For this hall a rental of twelve hundred dollars is paid. Every schoolroom in the Acushnet Avenue, Fifth Street, Dartmouth Street, and George H. Dunbar school districts is now occupied. In the Thomas A. Greene schoolhouse a basement room has been reopened. There is one more basement room in the building that can be used, but such quarters should not be used for schools.

In the central districts, bounded by Union street on the south and Parker street on the north, every schoolroom is occupied, and some of the rooms are already crowded. In the fall it will be impossible to provide for the pupils in these districts without additional schoolrooms.

I, therefore, recommend that these conditions be presented to the City Council and that body be requested to make provision for the proper housing of the pupils in these districts this fall. A new building will be needed in the south part of the city as soon as it can be built. If the contemplated High School is built, temporary provision should be made to take care of the pupils for the next two years in the centre district.

I do not know of any way of providing temporarily so well for pupils as by portable schoolhouses. Every growing city ought to have several. They can be erected at a moderate cost, can be well heated, lighted and ventilated, and used to relieve congestion wherever it may exist in the city. They can be placed on the school grounds of the congested schools, and the sanitaries of the regular schools used. By being thus located the teachers and pupils can be more easily supervised by the principals than they could be if the schools are scattered about in private buildings.

The Parker street grammar schoolhouse is in very bad repair besides needing extensive changes in heating, ventilating and sanitary conditions. It is the intention

of the City Government, I understand, to make the necessary alterations and repairs upon the building the coming summer. But when these are made the building will not accommodate within a hundred pupils those living within the present district. It will be necessary, probably, to reopen the schoolrooms on Linden street in the fall to provide for the overflow.

The need of a new High schoolhouse has been so fully set forth to the Committee and the City Government already that it does not seem necessary to speak very fully of it here. But what I wish to urge is the necessity for immediate action in getting the building under way if the school is not to suffer materially in the next few years. If building should begin at once the school must suffer some. It will require two years at least to secure plans and erect such a building as is contemplated and needed. Already every available bit of space possible is being utilized in the present building for classes including basement and assembly hall. Classes are now required to recite where they should not. Next fall it will be impossible to care for the entering class unless additional quarters are provided this summer. I do not know of any way that these can be so well supplied as by the erection of several portable schoolhouses in the yard which might be utilized in the future for the overflow of other schools. I fear serious loss of time to the school unless plans are matured at once to meet the exigency.

During the summer a new heating plant was installed in the Sylvia Ann Howland school at an expense of $6826.63. This schoolhouse was originally a six-room building. Since completion another schoolroom has been finished in the attic. This schoolhouse has cost the city more per foot of floor space than any school in the city. This type of building is undesirable. It is costly to build and expensive to maintain.

A fire in the Henry F. Harrington school in the late fall caused a damage to the tower of that building which called for repairs and changes amounting to a considerable sum. The exhaust fan put out of operation at that time has not been used since, and complaint is made of the present condition of the ventilation.

The usual amount of minor repairs were made during the year, and the schoolhouses as a whole are in good condition. The walls and ceilings in the assembly halls in the new buildings and the rooms of the schoolhouses where this has not yet been done ought to be tinted in colors to relieve the strain upon the eyes of pupils.

PRESENT CONDITION IN THE ELEMENTARY SCHOOLS.

The present condition of the schools is in the main gratifying. The opening of the three new buildings in the fall, relieved for the time the congestion in accommodations, and did away with all the colonies, except one, that were scattered throughout the city in rented and unsuitable quarters. It will not be many months, however, before relief will be needed to relieve overcrowding in the south and central parts of the city.

A new course of study for the grammar and primary grades has been formulated, printed and put into operation. In this course the work in arithmetic has been simplified in the primary grades and made more rational throughout. The language work has been emphasized still more than formerly. The study of the vernacular through the literature of the language, composition and grammar, is now well co-ordinated throughout the course and should produce good results, if properly taught.

The study of history begins now in the lowest primary grades with many stories of interest followed by reading

of several elementary histories in the lower grammar grades and rounded up with a careful study of United States history in the three highest grammar grades. This work is supplemented throughout the grammar course by reading stories from Bible history and Greek and Roman history.

More attention is given than ever before to civics and ethics in connection with the above.

Latin and French have been placed in the course as optional studies in the ninth grade, and have found favor. Nearly all the pupils elect one or the other. The French begun at the opening of the fall term is taught chiefly by the conversational method, and is promising in its results. The Latin work also now in its second year is in the main good.

Some modifications have been made in the special studies, especially in drawing, music and nature study, which should strengthen the work in them all.

In the early part of the year changes were made in the regular reading books, and two recent publications embodying the best ideas of bookmaking as to form and content replaced those formerly used. A new zest was given to the teaching in this branch by the change. Some new books were added to the supplementary list also, furnishing thereby still more collateral reading in connection with the various branches of study.

Throughout the schools the instruction is generally of good quality. The teachers are for the most part acquainted with good methods and present the subjects well. When satisfactory results are not secured the cause is generally traceable to two things: (1) the lack of breadth and accuracy of knowledge on the part of the teacher; or (2) the failure to control the school firmly and kindly.

The first weakness is not so easy to discover, but is nevertheless too prevalent. The teacher cannot do a

high order of work unless he is something of a student outside the particular branches in which he instructs and who is grounded in general information. The influence of a teacher is in direct ratio to his strength, mental and moral. It would be an excellent thing if every eighth and ninth grade could be taught by a college graduate who had had at least a year's training in the art of teaching. Some college graduates are to be found already doing grade work, and candidates for that kind of work are growing more plentiful. The trouble so far has been that they know little or nothing of common school methods.

The second weakness to which I have referred is one that seems to be growing rather than lessening. It is the cause of more waste of time in connection with the schools than anything else. The energy and thought of the teacher weak in this respect are wasted in trying to keep order that should be given to instruction. By far too many graduates of our Normal and Training schools are really failures because they do not understand children and how to govern them. Control is the fundamental element of success for the teacher, and this should be firm but kind. Authority in the schoolroom should be felt, but not in evidence. The exercise of will power, with gentleness, consistency and discrimination, and with few words, will bring control, if it is possible. There are some teachers whose personality unfits them for the vocation, and no advice or help will ever make them successful.

One very weak spot in our schools is to be found in the three country ungraded schools that still form a part of the system. To this I have referred more than once. The trouble is with the organization. Such schools cannot compete successfully with those working under a well graded system. The whole tendency throughout the country is to do away with them where it is feasible.

It is a comparatively simple problem here. They should be collected into Union schools. Wherever this has been done in a proper way it has proven most beneficial to the children and to the community itself.

THE HIGH SCHOOL.

When the school closed in June the number of pupils enrolled in it was 335. The enrollment for the month of September following was 471, showing an increase of 136 pupils. The graduating class numbered 43; the entering class 197, of which 162 were from the New Bedford public schools. From this showing it appears that 24 pupils did not return to school in the fall for various reasons.

The above figures show that the school opened in the fall with nearly one hundred more pupils than usual. The entering class was the largest in the history of the school. I believe this to be due to the expansion of the courses in the school and to the more efficient work done there.

But this increase in courses and in numbers has crowded the school to such a degree that the conditions for work are much more difficult than before. It was thought at first advisable to build a temporary structure in the school yard to relieve the pressure until the contemplated, new and modern high schoolhouse could be erected. The plan was not carried out, but, on the contrary, the janitor's room in the basement was made over into a schoolroom and the assembly hall divided into recitation rooms. The school has been able to make shift with this plan this year. But it will be impossible to provide for the pupils next fall with the present arrangement if the entering class is as large even as that of last year.

Two extra teachers were placed in the school at the beginning of the fall term. Without doubt others will be required soon to care for the increase. For evidently the impulse which has marked high school growth throughout the country, especially during the past decade, has touched our city, which so long seemed irresponsive. It is a hopeful sign, and means much for the schools and the city.

There is no reason why New Bedford should not have a high school the equal of any in the land. To equip and maintain such a school would be as good an investment as the city could make.

The school is now sadly hampered in its efficiency by its inadequacy in size and its lack of equipment for certain lines of work. But with provision for manual training; with a wider range in the scientific group of studies; with a comprehensive plan for the physical development and care of the pupils—when these are made possible by the new building and put into operation in conjunction with what is already being done in the school, the city will possess a school unexcelled in efficiency and in proportionate usefulness.

The present condition of the school within the limitations that I have noted is a sound one. The spirit of cheerful work, the true spirit for every school, is manifest throughout. Each pupil is made a study as never before in the school and exact data collected about him, which enables help and suggestion to be given where they will be most beneficial. The instruction on the whole is strong and in accord with modern ideas of education. The control permits all the freedom that is consistent with fair order, and in this respect is much more lenient than in many high schools.

No pupil who brings to the school the right spirit, and who has the preparation for, and the ability to do the work of a high school, need fail to get here the treat-

ment he is entitled to or the education such a school holds.

Laziness, indifference and neglect of duty, disobedience, and defiance of right on the part of pupils cannot be tolerated in the schools and in the high school of all others. Unfortunately the insistence of teachers that these conditions shall not exist, which is in plain line of their duty, calls down unjustifiable criticism from many. Weakness and unreasonableness of parents at home usually find expression in the schoolroom and causes trouble. All high schools suffer from these things. They will always exist, and they ought to be met in the schools with that spirit of toleration which gives promise of reclaiming the individual without injury to others.

HARRINGTON NORMAL AND TRAINING SCHOOL.

Applicants for admission to this school are on the increase. The number of each entering class is limited to fifteen. At the last examination there were eighteen candidates. Of these sixteen passed and the fifteen standing highest in the examination were admitted. Candidates who pass the examination and cannot be admitted at once owing to the number limit are given precedence over succeeding candidates.

It speaks well for the efficiency of the normal work done here and the practical training given that so many have sought its advantages and that the number grows larger rather than smaller. If the school building had been designed more in reference to the work of a normal and training school the difficulties of conducting it with efficiency would be much lessened. But when the building was erected a normal and training school had not

been organized in connection with the school system. Such a school having been created about the time the building was completed, it was placed in it. At first it answered the purpose very well, but with the growth of the city and the expansion of the school it no longer meets the requirements of the present.

Besides its deficiencies in arrangement and size it is not as well situated as it might be for such a school. It is not central enough. There are frequent calls upon the school for substitutes, and often at short notice, and there is delay on this account in substitutes getting to their destination. The central section of the city is now crowded for school room. When the new high school building is erected and the Middle Street Grammar school moved in to the present high schoolhouse, a building should be erected on the present Middle street lot for a normal and training school. It would be an ideal place for such a school and would relieve the congestion of the centre and admit of the abandonment of the present Cedar Street schoolhouse, which is an undesirable type of building to maintain.

Below are the special statistics usually given:

Pupil-teachers enrolled during the year,	28
Pupil-teachers admitted to junior class, Jan., 1901,	15
Pupil-teachers admitted to junior class, Sept., 1901,	1
Pupil-teachers admitted to senior class, Jan., 1901,	9
Pupil-teachers graduated, Dec., 1901,	10
Pupil-teachers admitted to junior class, Jan., 1902,	15
Pupil-teachers in senior class, Jan., 1902,	15
Days substituting by pupil-teachers,	250.5

EVENING SCHOOLS.

High School.—The Evening High school has been disappointing so far as attendance goes. For the two terms, spring and fall, there was an average enrollment of 110 pupils, with an average membership of 80, and an average nightly attendance of 60.

Those who attended the school regularly showed much interest and made good progress. Many, I know, were highly appreciative of the advantages offered by the school. A class in German was formed this year in addition to the classes of the previous year. This class was well attended and the pupils were enthusiastic in their work.

I believe the school should be continued though the attendance is somewhat disappointing. A plan is being considered by which diplomas shall be awarded to those attaining a certain number of credits in the prescribed courses. This, I think, will encourage many pupils to continue in the school long enough to give them lasting benefit.

Evening Drawing School.—This school was held, as for the past few years, in the Textile school building in connection with that school.

The attendance during the spring term was very small, being only 34. In the fall 99 were enrolled. There was an average membership of 73, and an average nightly attendance of 59.

Even with this increased attendance in the fall it will be observed that the attendance was very small as compared with the enrollment. There are certain departments of this school where the attendance does not justify their continuance unless it is improved. This same condition having extended over a period of years, there is little hope of improvement. A reorganization of this department seems advisable. The fault does not lie

with the teaching, I think, but is due to the fact that there are not enough persons in the city who are desirous of this kind of instruction.

Elementary Evening Schools.—These schools are on the increase in attendance. This is natural, as the mill population is increasing and from this comes the chief patronage of these schools. The enrollment last term was 2237 pupils, with an average membership of 1467 and an average nightly attendance of 1147. The ratio of nightly attendance to the enrollment was 51 per cent., and to the average membership 78 per cent. These figures in themselves reveal one of the chief obstacles to progress, but they compare favorably with those of evening schools in other cities.

Upon the completion of the John Henry Clifford school on Coggeshall street and the Robert C. Ingraham school on Blackmer street the evening schools formerly held in the Cedar Grove Street schoolhouse and the Thompson Street schoolhouse were removed to the new buildings, where the seats were better adapted to evening school pupils. These buildings are very much better lighted than those in which the schools were formerly held.

The evening schools are now located in five of the grammar schoolhouses and instructed by experienced teachers, most of whom are day school teachers. The conditions for getting good results are the best in these two respects. The few hours each week, the irregular and shifting attendance, operate on the other hand against desired results. Unless there can be concentration of time as recommended in my report last year I do not know how improvement can be hoped for.

THE SPECIAL BRANCHES.

Under the head of special branches are classified in our schools: drawing, music, sewing, manual training

and nature study. These studies all have special instruction in them, or supervisors, or both.

Last year full reports were printed from those in charge of these subjects. No change has occurred in any of these departments since then with one exception. Miss Mary W. Gilbert, who had been supervisor of drawing in the schools for nine years, and under whom the present efficiency in that department has been attained, resigned at the close of the fall term to the regret of the school authorities and teachers alike.

Miss Gilbert's successor is Miss Lucy C. Bedlow. Miss Bedlow has had the very best preparation for her work, both from training and experience. She was supervisor of drawing in Portsmouth, N. H., at the time of her election here. Her work there was very successful and I am confident that the advancement made by the schools in this important subject during the past decade will continue under her charge.

The changes made in the subject matter of these various branches since the last course of study covering them was issued necessitate a new issue which will be ready for work at the beginning of the next school year.

TEACHERS.

The city is fortunate in having in its service a well educated, professionally trained and refined corps of teachers. Effective work on the whole is being done by them. There are, however, exceptions. That these exceptions exist is most unfortunate. The only justification for the employment of inefficient teachers is the inability to secure efficient ones. Teachers whose government is so unwise or so weak that the pupils contract bad habits of action are in the wrong business;

those whose teaching wastes the opportunity of the pupils are being permitted to commit an injustice. When teachers do not remedy their faults when they are made conscious of them they should resign, and failing to do so should be dismissed.

Permanent tenure of office of teachers is their due so long as they are efficient and worthy. Good salaries ought to be paid them, for their work is a noble one and requires skill to do it well. But when permanent tenure of office makes it more difficult to discharge poor teachers it defeats the purpose which justifies its existence. It should be easier to dispense with the services of an inefficient teacher serving under permanent tenure during efficiency and good behavior, and not harder.

That the salaries of all teachers in the same grade should be the same is neither business-like nor just. Salaries ought to be graded partly on efficiency as well as service. For instance, if the salaries of those who gave only fair service were advanced to a certain point and remained there while those who gave excellent service were advanced to a stage or two farther and retained at the maximum only so long as their services were worth the larger sum, the schools would be benefited, for there would be a constant stimulus to do the best possible. It may be said that professional spirit alone should cause this without the additional stimulus. But this theory is not borne out by facts. The uniformity of salaries as a policy of the school system is neither necessary nor desirable if favoritism can be eliminated. If superiority, and superiority alone, could be made the basis for the payment of the highest remuneration, not only would the deserving get nearer their just recompense, but a standard would be set that would act as a constant professional stimulus.

Seventeen resignations have occurred during the year. Six resigned to accept more lucrative positions;

eight to marry or for other private reasons, while three were asked to resign on account of unsatisfactory work. There were thirty-one appointments. The ratio of appointments to resignations is unusually large. There were several reasons for this. Two teachers were added to the High school corps, one additional sewing teacher was appointed and a teacher of French for the grammar schools. The increase of pupils and the fact that the readjustment of certain districts caused by opening three new buildings, necessitated more teachers in proportion to the number of pupils than is the case in the older districts. This disproportionate number of teachers will not exist long in the new districts. Eight were out on leave for more or less of the year. Four for personal sickness and four for other reasons. These leaves of absence do not represent the entire absences of teachers. They represent only the prolonged cases of illness or absence where permission other than that of the Superintendent is needed.

There was one death among the teachers during the year, Miss Hattie L. Finlan, principal of the Cedar street school. Miss Finlan was appointed in 1880 and served as a grade teacher for eighteen years. She was appointed principal of the Cedar street school in 1898. Miss Finlan was genuinely in love with her chosen work, and at the time of her death had just been advanced to a still more responsible position for meritorious service, and this she would have unquestionably filled with honor to herself and to the schools. She won and retained the love of her pupils, and those who came under her teaching learned to think better and to act nobler. No higher work than this can any teacher do.

RESIGNATIONS.

Agnes D. Allen
Grace N. Bramhall
Helen K. Covill
Maria B. Clark
Edith L. Cornish
Clara A. Farrell
Maria Gendron
Anne R. Gifford
Mary W. Gilbert
Wilhelmina Humbert
Mabel A. Morris
Marth D. Shute
Ivy H. Smith
George H. Tripp
Mabel A. Valentine
Abby M. Vedder
Emma R. Wentworth
Isabella F. Winslow

APPOINTMENTS.

Edith A. Austin
Eudora K. Barry
Lucy C. Bedlow
Elwyn G. Campbell
Marie Clifford
Alice B. Church
Ethel E. Clapp
Anne J. Chase
Elizabeth C. Carter
Vashti M. Crosby
Mary E. Cunningham
Florence M. Ellis
Clara A. Farrell
Grace B. Gardner
Madeline A. Gregg
Edward B. Gray
Madeline Gile
Henrietta E. Hardy
Helen C. Hervey
Susan F. Haskins
Florence A. Howland
Elizabeth J. Hurley
Lila B. Lewis
Lois A. Leonard
Amelia A. Murray
Mary F. McIntyre
Dora Parker
Clara E. Sherman
Hannah E. Rollins
Sarah A. Sawyer
Charlotte G. Tourtelotte
Lucie White

ABSENT ON LEAVE.

Mary C. Barstow
Harriet L. Cornell
Julia A. Ellis
Lila D. Hayne
Mary F. Livingstone
Bertha M. Martindale
Marion H. Swasey
Clara M. Woodward

DEATHS.

Hattie L. Finlan

CONCLUSION.

It is not to be disputed that the schools have improved much during the past twenty years. That period has been one of marked progress in education generally. Methods of instruction are sounder, because more in consonance with psychological principles; the teaching is generally stronger, because the teachers are better equipped for their work; the environments of the pupils are pleasanter and tend more to refine and uplift them than formerly; the conditions for work are immeasurably improved, because the hygienic conditions are far superior to the past; and the working material in the shape of beautiful and well-edited books covering every field of knowledge, and illustrative apparatus embodying the best scientific thought, are to be had and at a rate lower than would have been thought possible a few years ago. All these things tend to make good schools, and they have.

But withal, there is a conviction on the part of many that we are a good deal in the air yet in the matter of education — a feeling that we have gone through a long experimental period without collecting such data as will enable us to determine with the confidence gained from facts the best methods of procedure in the future. What the relative educational values of the various branches in the curriculum are, the place and time each should occupy in it, are sources of much disagreement with the highest authorities, causing discontent among the workers and inviting attacks from willing critics.

The next decade ought to be a period of crystallization, a settling down to a basis of more common agreement and a working out of results which shall determine more definitely the fundaments of a modern but sound education at a reasonable cost.

There has been such an expansion in the curriculum during the past decade that it is absolutely necessary that we stop and take our bearings. There must be a limit to this branching out, and it would seem that the limit has been reached for the present — a limit to the capacity of teachers to do the work; a limit to the capacity of the children to assimilate the knowledge presented; a limit to the time necessary to compass what is already required; a limit to the funds necessary to carry on the work.

The seed that has been sown during the past ten years has begun to bear fruit in some measure, evidenced just now in a material way that has set the public to thinking more seriously about these matters than it has before since the dawn of the new education. The wider range of studies and the new methods require more teachers for the same number of pupils; the greater requirements made upon the teachers in preparation calls for better salaries; the modern schoolhouses, with their greater air space for each pupil and their improved systems of heating and ventilating, are much more expensive to construct and maintain than the old. All these and other causes have increased the cost of the schools to such an extent that even their best friends are questioning the outcome.

The people are the loyal supporters of the public schools. They are willing to pay for the best education for their children. But those who administer the schools must be able to show that present tendencies in education are not largely theories, but produce adequate results; that they will develop young men and women who are trained in the best way to meet the exigencies of life, who are well balanced and who are physically and morally sound; when this is done they will continue to support the schools most loyally, though they cost much more than they do now.

That some of the tendencies are being seriously questioned by many thoughtful persons, and that the present cost of the schools is causing discontent and a reaction in many places, cannot be gainsaid. The country is extremely prosperous at present. If reaction exists now it is sure to much greater when business depression comes. I am not an alarmist. But of this I am certain —that it behooves the friends of the schools everywhere and especially those into whose hands their immediate administration is committed, to see to it that they are conducted not only on a thorough business basis, but upon educational principles that can be supported by facts shown through results, proportionate to the time and money expended.

In closing, I wish to express to the school committee, the teachers, and all others who have contributed to the support and advancement of the schools, my sincere gratitude.

WM. E. HATCH,
Superintendent of Schools.

Dec. 31, 1901.

BOOKS IN PEDAGOGICAL LIBRARY.

1.	The History of Pedagogy.	Compayre.
2.	The Elements of Pedagogy.	White.
3.	Systems of Education.	Gill.
4.	John Amos Comenius.	Laurie.
5.	Essays on Educational Reformers.	Quick.
6.	Particular Systems of Education, Phil. of Edu., Part III.	Rosenkranz.
7.	Higher Schools and Universities in Germany.	Arnold.
8.	Some Thoughts Concerning Education.	Locke.
9.	Emile (or Concerning Education).	Rosseau.
10.	Leonard and Gertrude.	Pestalozzi.
11.	Levana, or The Doctrine of Education.	Richter.
12.	The Education of Man.	Froebel.
13.	Education.	Spencer.
14.	Lectures and Annual Reports, Vol. I.	Mann.
15.	" " " " II.	"
16.	" " " " III.	"
17.	Lecture on the Science and Art of Education.	Payne.
18.	The Philosophy of Education.	Tate.
19.	The Elements of Pedagogy.	White.
20.	On Teaching: Its Ends and Means.	Calderwood.
21.	The Principles and Practice of Common School Education.	Currie.
22.	Lectures on Teaching.	Fitch.
23.	" "	"
24.	Methods of Historical Study.	Freeman.
25.	Methods of Teaching History.	Hall.
26.	How Shall My Child Be Taught?	L. P. Hopkins.
27.	Theory and Practice of Teaching.	Page.
28.	Talks on Teaching.	Parker.
29.	Art of School Management.	Baldwin.
30.	" " "	"
31.	School Management.	Landon.
32.	On Teaching Geography.	Geikie.
33.	Education and Educators.	Kay.
34.	Scholemaster.	Ascham.

35.	Outline Study of Man.	Hopkins.
36.	School Economy.	Wickersham.
37.	School Room Guide.	DeGraff.
38.	Manual of Method and Organization.	Robinson.
39.	Lectures on Geography.	Strachey.
40.	The Action of Examinations.	Latham.
41.	Object Lessons.	Walker.
42.	The True Order of Studies.	Hill.
43.	Theory and Practice of Teaching.	Thring.
44.	School Journal, Vol. I.	Mann.
45.	" " " II.	"
46.	" " " III.	"
47.	" " " IV.	"
48.	" " " V.	"
49.	" " " VI.	"
50.	" " " VII.	"
51.	" " " VIII.	"
52.	" " " IX.	"
53.	" " "	"
54.	" " " XI.	"
55.	" " " XII.	"
56.	" " " XIII.	"
57.	" " " XIV.	"
58.	Methods and Aids in Geography.	King.
59.	" " "	"
60.	Contributions to the Science of Education.	Payne.
61.	Power and Authority of School Officers and Teachers.	
62.	" " " "	
63.	Compayre's Lectures on Pedagogy.	Payne.
64.	Rosmini's Method in Education.	Grey.
65.	Bibliography of Education	Hall.
66.	Lectures to Kindergartners.	Peabody.
67.	Early Training of Children.	Malleson.
68.	Habit in Education.	Hall.
69.	Modern Petrography.	Williams.
70.	The Study of Rhetoric.	Genung.
71.	English in the Preparatory Schools.	Hoffcut.
72.	English in the Schools.	Woodward.
73.	How to Teach Reading.	Hall.
74.	The Study of Latin.	Morris.
75.	Mathematical Teaching.	Safford.
76.	How to Study Geography.	Parker.
77.	Studies in Pedagogy.	Morgan.
78.	Educational Mosaics. Morgan.	"

79.	Elements of Psychology.	Hewett.
80.	Topics in Geography.	Nicols.
81.	Compayre's Lectures on Pedagogy.	Payne.
82.	Notes of Lessons for Young Teachers.	Taylor.
83.	Geography Teaching and Sand Modelling.	Frye.
84.	" " "	"
85.	How to Teach Language.	Metcalf.
86.	How to Teach Geography.	Carver.
87.	Arithmetic in Primary Schools.	Dunton.
88.	Cyclopædia of Education.	Kiddles & Schem.
89.	Orbis Pictus.	Comenius.
90.	Free Schools of the United States.	F. Adams.
91.	Prosperity or Pauperism?	Earl of Meath.
92.	Outlines of Psychology.	Sully.
93.	Primary Education.	Jacobi.
94.	Order of Exercises in Elocution.	Parker.
95.	Life and Education of Laura D. Bridgman.	Lamson.
96.	School Inspection.	Fearon.
97.	True Order of Studies.	Hill.
98.	Kindergarten Culture.	Hailman.
99.	Education and School.	Thring.
100.	Reminiscences of Froebel, by Von Bülon.	Translated by Mrs. Horace Mann
101.	Education in Its Relation to Manual Industry	McArthur.
102.	Schools and Studies.	Hinsdale.
103.	The Quincy Methods.	Partridge.
104.	The Teacher.	Blakiston.
105.	Reports on Elementary Schools.	Matthew Arnold.
106.	Addresses on Educational Subjects.	Laurie.
107.	Scientific Industries Explained.	Watt.
108.	The Teacher.	Abbott.
109.	Development of the Intellect.	Preyer.
110.	Memory — What It Is and How to Improve It.	Kay.
111.	Methods of Teaching Geography.	Crocker.
112.	Teacher's Manual of Object Lessons.	Park.
113.	Three Lectures on Education.	Dr. Oppler.
114.	Chips from a Teacher's Workshop.	Klemm.
115.	First Three Years of Childhood.	Perez.
116.	Physical Education.	Maclaren.
117.	School Management.	Kellogg.
118.	Day Dreams of a Schoolmaster.	Thompson.
119.	Autobiography of Froebel.	
120	Educational Theories.	Browning.
121.	A Tractate on Education.	Milton.

122.	Securing and Retaining Attention.	Hughes.
123.	Three Essays—Study of English Literature.	Blaisdell.
124.	Old Greek Education.	Mahaffy.
125.	Locke's Conduct of the Understanding.	Fowler.
126.	Gill's School Management.	John Gill.
127.	Cultivation of the Memory.	
128.	Cultivation of the Senses.	
129.	On Discipline.	
130.	On the Use of Words.	
131.	On Class Teaching.	
132.	Handbook of Punctuation.	Bigelow.
133.	Book of Object Lessons.	Lake.
134.	Sweedish System of Educational Gymnastics.	Baron Nils Posse.
135.	Compayre's History of Pedagogy.	Payne.
136.	Pedagogy.	Hewitt.
137.	Courses and Methods.	Prince.
138.	Pestalozzi: His Life and Work.	De Guimps.
139.	Elementary Psychology.	Baker.
140.	Linders' Empirical Psychology.	De Garmo.
141.	The Manual Training School.	Woodward.
142.	Introduction to Shakespeare.	Corson.
143.	Teacher's Manual of Geography.	Redway.
144.	" " "	"
145.	Insecta.	Hyatt.
146.	School Hygiene.	Newsholme.
147.	Astronomical Geography.	Jackson.
148.	Nineteenth Century Authors.	Hodgkins.
149.	The Reproduction of Geographical Forms.	Redway.
150.	Natural History Object Lessons.	Ricks.
151.	Essentials of Method.	De Garmo.
152.	Industrial Education.	Seidel.
153.	A Conference on Manual Training.	
154.	A History of Education.	Painter.
155.	The Rise and Early Constitution of Universities.	S.S.Laurie,LL.D.
156.	The Ventilation and Warming of School Buildings.	G. B. Morrison.
157.	The Senses and the Will.	W. Preyer.
158.	Education in the United States.	Richard G.Boone
159.	European Schools.	L.R.Klemm,Ph.D.
160.	Practical Hints for the Teachers of Public Schools.	George Howland.
161.	School Supervision.	J.L.Pickard,LL.D.
162.	Higher Education of Women in Europe.	Helene Lange.

163.	A Text-Book in Psychology.	Johann Freidrich Herbert.
164.	The Mother Play and Nursery Songs.	Froebel.
165.	The Paradise of Childhood.	Edw. Niebe.
166.	Methods in the Schools of Germany.	John T. Prince.
167.	Old Greek Life.	J. P. Mahaffy.
168.	Homer.	W. E. Gladstone.
169.	Logic.	W. S. Jevons.
170.	Classical Geography.	H. F. Tozer.
171.	Philology.	John Peile.
172.	History of Greece.	C. A. Fyffe.
173.	History of Europe.	E. A. Freeman.
174.	History of Egypt.	F. C. H. Wendell.
175.	History of Rome.	M. Creighton.
176.	Astronomy.	J. N. Lockyer.
177.	Botany.	J. D. Hooker.
178.	Chemistry.	H. E. Roscoe.
179.	Geology.	A. Geikie.
180.	Physiology—Hygiene.	M. Foster and R. S. Tracy.
181.	Natural Resources of the United States.	J. Harris Patton.
182.	Geography.	George Grove.
183.	Physical Geography.	Prof. Geikie.
184.	English Literature.	Rev. Stopford Brooke.
185.	English Composition.	John Nichol.
186.	Political Economy.	W. S. Jevons.
187.	Mediæval Civilization.	G. B. Adams.
188.	Roman Antiquities.	A. S. Wilkins.
189.	The Develeopment of the Roman Constitution.	Ambrose Tighe.
190.	Greek Literature.	R. C. Jebb.
191.	Exercises in Wood-Working.	Sickels.
192.	First Lessons in Wood-Working.	Alfred G. Compton.
193.	History and Science of Education.	Shoup.
194.	Graded Didactics, Vol. I.	Shoup.
195.	" " " II.	"
196.	Chapters on Plant Life.	Herrick.
197.	The Three Pronunciations of Latin.	Fisher.
198.	Comparative Geography.	Ritter.
199.	Points of History.	Lord.
200.	Animal Life in the Sea and on the Land.	Sarah Cooper.
201.	Geographical Studies.	Ritter.
202.	Eclectic Physical Geography.	Russell Hinman.
203.	Development Lessons.	De Graff.
204.	Arbor Day Manual.	Skinner.
205.	Sewing, Illustrated.	Louise J. Kirkwood.

206. Longman's Object Lessons. David Salmon.
207. French Schools Through American Eyes. James Russell Parsons, Jr.
208. Children's Rights. Kate Douglas Wiggin.
209. The Theory of Educational Sloyd. Solomon.
210. Kindergarten Stories and Morning Talks. Wiltse.
211. Entomology for Beginners. Packard.
212. Nature Study. Jackman.
213. How to Know the Wild Flowers. Dana.
214. Flowers and Their Pedigrees. Grant Allen.
215. Native Trees. L. W. Russell.
216. A Year Among the Trees. Wilson Flagg.
217. Trees of the Northern U. S. Apgar.
218. From Seed to Leaf. Newell.
219. "Manu et Mente" Working Drawings in Sloyd. Gustaf Larsson.
220. Report of the Commission on Manual Training and Industrial Education.
221. Lange's Apperception. De Garmo.
222. Inventional Geometry. Wm. George Spencer.
223. " " " " "
224. Trees of N. E. America. Chas. S. Newhall.
225. Shrubs of N. E. America. " "
226. Human Body. Martin.
227. Commissioners' Report on Manual Training.
228. Report of the Committee of Ten.
229. Talks on Pedagogics. Parker.
230. " " "
231. " " "
232. Outlines of Pedagogics. Rein.
233. Mistakes in Teaching. Hughes.
234. How to Know the Wild Flowers. Mrs. Wm. Starr Dana.
235. Eclectic Physical Geography. Hinman.
236. Elementary Meteorology. Davis.
237. The Realm of Nature. Mill.
238. Sea and Land. Shaler.
239. Methods of Mind Training. Aiken.
240. First Book in Geology. Shaler.
241. The Psychology of Number. McLellan and Dewey.
242. Physiography. T. H. Huxley.
243. Evolution of the Massachusetts Public School System. Geo. H. Martin.
244. Education from a National Standpoint. Fouillée.
245. Pedagogics of the Kindergarten. Froebel.
246. Symbolic Education. Susan E. Blow.

247. Moral Instruction of Children. Adler.
248. How to Study and Teach History. Hinsdale.
249. Principles of Education Practically Applied. Greenwood.
250. Systematic Science Teaching. Howe.
251. Studies of Childhood. Sully.
252. Geography, Physical, Historical and Descriptive. Keith Johnston.
253. Elements of Geology. Le Conte.
254. Talks on Pedagogics. Parker.
255. Grasses and Forage Plants. Flint.
256. How to Study Geography. Parker.
257. In the Child's World. Poulsson.
258. Elementary Physical Geography. R. S. Tarr.
259. The New Psychology. E. W. Scripture.
260. Psychology. William James.
261. Handbook of Psychology, "Feeling and Will." Jas. M. Baldwin.
262. " " "Senses and Intellect." " "
263. Cuoré, an Italian Schoolboys' Journal. De Amicis.
264. Physical Culture. Louise Preece.
265. Art for the Eye. Ross Turner.
266. Architectural Styles. Rosengarten.
267. How to Enjoy Pictures. M. S. Emery.
268. The World's Painters. Deristhe L. Hoyt.
269. Elementary History of Art. N. D'Anvers.
270. Art and the Formation of Taste. Lucy Crane.
271. How to Judge of a Picture. Van Dyke.
272. The Claims of Decorative Art. Walter Crane.
273. History of Art. Goodyear.
274. A History of Painting. Van Dyke.
275. A History of Sculpture. Marquand and Frothingham.
276. How to Teach Reading in the Public Schools. S. H. Clark.
277. Interior Decoration of Schoolhouses. W. G. Page.
278. The Educational Idea. Munroe.
279. The Connection Between Thought and Memory. Lukens.
280. Psychologic Foundations of Education. Harris.
281. Physical Nature of the Child. Rowe.
282. Method in History. Mace.
283. " " "
284. The School and Society. John Dewey.
285. The Art of Teaching. D. Salmon.
286. Exercises in Geography. C. H. Leete.
287. Readings in Folk-Lore. Hubert M. Skinner.
288. American Public Schools. Swett.
289. History of Education. Seeley.

290.	Raphael.	Estelle M. Hurll.
291.	Michaelangelo.	" "
292.	Rembrandt.	" "
293.	Millet.	" "
294.	Bent Iron Work.	Erskine.
295.	Egypt: The Hand of the Temple Builders.	Walter S. Perry.
296.	Composition.	Arthur W. Dow.
297.	The Development of the Child.	Oppenheim.
298.	Jungle Book, 1st Book.	Kippling.
299.	" " 2nd "	"
300.	" " 1st "	"
301.	" " 2nd "	"
302.	Tennyson's Poems.	
303.	Stories and Poems for Children.	Thaxter.
304.	German Household Tales.	Grimm.
305.	Adventures of a Brownie.	Miss Mulock.
306.	" " "	" "
307.	Friends and Helpers.	Sarah J. Eddy.
308.	The New Basis of Geography.	Redway.
309.	Plans for Busy Work.	Sarah Louise Arnold.
310.	Thinking and Learning to Think.	Schaeffer.
311.	" " "	"
312.	The Art of Teaching.	Emerson E. White.
313.	" " "	" "
314.	Architectural Wrought Iron.	Wm. Winthrop Kent.
315.	" " "	" "
316.	An Ideal School.	Search.
317.	Old Stories of the East.	Baldwin.
318.	" " "	"
319.	Elements of the Theory and Practice of Cookery.	Williams and Fisher.
320.	Introduction to Psychology.	Calkins.
321.	Educational Aims and Educational Values.	Hanus.
322.	Art History in Outline.	Nye.
323.	School Management.	Landon.
324.	Notes of Lessons for Young Teachers.	John Taylor.
325.	Teaching as a Business.	Bardeen.
326.	Exercises in Mind Training.	Catharine Aiken.
327.	Right Living.	Susan H. Wixon.
328.	First Lessons in Reading.	Elizabeth H. Fundenberg.
329.	Helps in Teaching Reading.	Martha S. Hussey.
330.	Nature's Garden.	Neltje Blanchau.
331.	Mother Stories.	Maud Lindsay.

1902 — CITY DOCUMENT No. 7.

Twenty-third Annual Report

OF THE

BOARD OF HEALTH

OF THE

CITY OF NEW BEDFORD

TO THE CITY COUNCIL

For the Year Ending December 31, 1901.

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, CITY PRINTERS.
1902.

REPORT.

OFFICE OF THE BOARD OF HEALTH,
NEW BEDFORD, Jan. 1, 1902.

To His Honor the Mayor, and Gentlemen of the City Council:

GENTLEMEN:—In presenting the twenty-third annual report of this department, covering the work for the year ending December 31, 1901, it is with gratification that we call your attention to the condition of the health of the community during that period.

During the year just ended there has been a very perceptible falling off in the number of cases of scarlet fever, which disease has usually interfered with the work of the school department. Whether this falling off in the number of cases is due to the very thorough disinfection of public school buildings during the long vacation of the year 1900 we are not ready to say, but certain it is that during the year just ended there were two-thirds cases less than during the previous year.

During the year 1900 there were reported 363 cases of scarlet fever, while last year but 112 cases were reported. In our opinion the efficacy of fumigation in buildings so much frequented as schoolhouses is apparent, and if during each vacation of the long period our school buildings should be treated as thoroughly as

was done in 1900, the number of cases of contagion and infection would be very materially reduced.

During the latter part of spring and early in the summer there arrived at this port schrs. D. A. Story and Zulmira with emigrants from Cape de Verde Islands, 34 of whom were transferred from the vessels to the smallpox hospital and there placed under treatment by City Physician William E. Brownell. On the passage of the Zulmira there was one death just as the vessel entered the lower harbor, and the body was buried in the burial ground near the smallpox hospital. Of the 34 cases treated by Dr. Brownell five proved fatal, and were buried in the same locality. The arrival of these emigrants with this much dreaded disease gave to the board a new experience. It was the opinion of the board that in cases of this kind the National Government should treat and maintain such patients, but not until several days after the subject had been called to the attention of the National authorities did they see fit to act. Meanwhile Dr. M. V. Sylvia, the port physician, believing that delay was dangerous, decided upon removal to the city's hospital, and while there under treatment as stated the United States Treasury Department awoke to its duty and remanded one of the vessels, the Zulmira, to Boston.

In July following a case of smallpox was discovered on Potomska street, having been brought from New York. In this instance the patient was treated at home. Death resulted.

On December 2d, while smallpox was very prevalent in Boston and other sections of the Commonwealth, two cases were discovered in this city, both of which from their history proved to have come from that city. One was found on Park street, and the other on South Water street. Both were treated successfully by the City Physician, and prompt and stringent measures taken

with those who had come in contact with the disease. In all 44 persons were held in quarantine during the danger period.

CONTAGIOUS DISEASE HOSPITAL.

That there is need for a contagious disease hospital for this fast growing mill city is apparent to any one who has given the subject the least thought. In tenements where are several families it is as essential to remove a person afflicted with scarlet fever to a hospital for treatment as in cases of smallpox. We have repeatedly called your attention to the necessity of such a hospital, and would suggest that some committee of the City Council be instructed to confer with us on this very important matter.

SCHOOL INSPECTION.

Realizing that a daily inspection, both of public and parochial schools, is essential in the effort to prevent the spread of contagion and infection, the Board has carried on the work during the year successfully, employing Drs. G. F. Lewis and C. F. Connor in that department. During the year 3,300 pupils were examined, and 54 were recommended to be sent home for different causes.

DISINFECTION.

Disinfection in cases of smallpox, scarlet fever and diphtheria is compulsory, and during the year 425 living rooms in various buildings of the city have been thoroughly disinfected with formaldehyde gas. We believe that the time has come when rooms in which patients afflicted with phthisis pulmonalis should be similarly treated, and at an early day such an order will be promulgated.

In this connection, illustrative of the value of formaldehyde as a disinfectant, we mention the fact that in all the great number of houses where we found smallpox in 1900, there did not appear during the past year a recurrent case in any house in the city. This is an unusual record in the history of all epidemics of such a magnitude as prevailed here at that time, and has been frequently commented upon by sanitarians elsewhere. That the work was done thoroughly there can be no doubt.

VACCINATION.

During the year there were less vaccinations than during the previous year, owing no doubt to the very general vaccination ordered by the Board at the time of the smallpox epidemic in 1900, when it had to deal with 174 cases of that disease. The number of vaccinations for the year which has drawn to a close is 425.

REMOVAL OF DANGEROUS BEDDING.

In the latter part of July the attention of the Board was called to the fact that mattresses and other bedding discarded by families and oftentimes used by patients afflicted with phthisis pulmonalis, scarlet fever, diphtheria and typhoid fever were carted to various dumps by Public Works teams, and were there hauled over by children while at play. Through an arrangement made with our Chairman and the Superintendent of Public Works a systematic method of removal was inaugurated and such material destroyed by fire, the only proper way of handling such articles. For five months this method of removal and destruction has been in operation, and it is through the personal supervision of our Health Officer, William E. Macomber, that this work has been so

thoroughly done. It is a measure which should be continued as one of the safe-guards to the health of the community. In the short space of time in which Mr. Macomber has looked after this sanitary feature, 183 mattresses besides infected bedding have been removed and destroyed.

PRIVY VAULTS.

With each year it becomes more apparent that privy vaults maintained on premises in close proximity to other dwellings should be abandoned and more modern fixtures substituted.

During the year in streets where the abolition of such vaults could be made, 45 were ordered removed and abandoned, and if complaints in certain sections are as numerous as they were during the past year, many more will be ordered removed the coming year, giving way to sanitary closets in properly plumbed dwellings.

PLUMBERS' LICENSES.

During the year the following persons were granted licenses as plumbers:

Samuel R. Clark,	Master.
Henry J. Gurl,	"
George H. McCarthy,	"
Edward H. Gregory,	"
Warren F. Smith,	Journeyman.
Joseph S. Hughes,	"

UNDERTAKERS' LICENSES.

During the year the following persons were licensed as undertakers:

E. T. Wilson
H. P. Wilson
W. C. Vaughan, Jr.
C. E. Vaughan
J. B. Jean
R. G. Bennett
Jos. S. Williams
John Rogers
John F. Rogers
Lagasse & Dubois
Leon Goldstein
John E. Moriarty
T. J. Murphy
Simon Simansky, 2d
J. D. Sullivan
A. Desautels
Vital Girard

EXPENDITURES FOR THE YEAR ENDING NOV. 30, 1901.

December, 1900	$1,773.25
January, 1901	1,852.01
February, "	1,741.18
March, "	1,768.20
April, "	1,781.25
May, "	1,773.84
June, "	1,875.46
July, "	1,698.40
August, "	1,714.73
September, "	2,137.40
October, "	1,934.15
November, "	1,767.72
Total expense	$21,817.59
Appropriation	20,800.00
Deficit	$1,017.59

During the year 1901 the following permits and licenses were granted by the board:

Cleaning vaults and cesspools, 16
To reinter bodies, 107
Stable licenses, 6
Swine licenses, 20
Cattle licenses, 22
Undertakers' licenses, 17
No. of privy vaults abolished, 45
No. of notices issued, 62
No. of complaints received, 88
Of this number 16 were found upon investigation to be without cause.

Respectfully submitted,

WM. G. KIRSCHBAUM,
JOHN T. BULLARD, M. D.
M. V. SYLVIA, M. D.

NEW BEDFORD, MASS,
January 9, 1902.

To the Board of Health:

GENTLEMEN:—The report of the Medical Inspector is submitted:

There have been made 262 investigations. This number does not include the inspections made to release cases of scarlet fever and diphtheria. The total is subdivided as follows:

Scarlet fever	112
Diphtheria	49
Typhoid fever	99
Smallpox	37

There have been taken 108 cultures for diphtheria, of which number 67 were negative, 37 positive, 4 unsatisfactory; 40 cases needed testing more than once.

During the year there have been signed 29 death certificates.

A very careful and thorough inquiry has been made of each case of typhoid, and the result recorded upon the form furnished by the State Board.

The source of drinking water, milk and ice supply was made a special matter of study, but no new points as to the cause of typhoid were gathered therefrom. The whole number of cases were about equally divided among those using a privy and those having a closet in the house, connected with the sewer. Furthermore, the study into the milk supply yielded negative results. A visit to the dairy of one milkman, upon whose route were quite a number of cases found, showed as perfectly clean

and as carefully conducted place as was possible. Visits to other dairies show like carefulness in the preparation of the milk for the market.

It was also noticed that there was no particular section of the city in which the cases were more prevalent than other sections, neither were they among the poor classes in greater number than among higher who have better sanitary surroundings.

There is a feature which I noted when the cases came to light. They came in rapidly and they terminated with a suddenness equally as marked.

SCARLET FEVER.

There were 112 cases of this malady reported. While a few cases were of a severe type, as a whole they were very mild, requiring but a day or two in bed. This feature, however, should not and did not lessen the vigilance necessary for the safety of the public. No case was released until desquamation had ceased, which required from five to six weeks. An absolute quarantine was established upon all children in an infected house, and the results attained were most satisfactory. In no part of the city did we have a run of cases that appeared to arise from contact with a patient ill with scarlet fever.

SMALLPOX.

There have been reported to the Board this year 37 cases of smallpox, 34 of which came on schooners Zulmira and D. A. Storey, one death on the former vessel on its arrival in port. In addition, there were five deaths while under treatment.

Of the three found among the residents, one also proved fatal. It was easy to trace their origin, having

been introduced here from Boston and New York. All were of a severe type.

Respectfully submitted,

WM. C. SHEEHY,
Medical Inspector.

REPORT OF MEDICAL INSPECTION OF SCHOOLS.

NEW BEDFORD, Jan. 1, 1902.

To the Board of Health:

GENTLEMEN:—I herewith submit my report for the year 1901.

Examined 1475 children.

Number recommended to be sent home	18
Number of consultatidns with teachers about pupils returning to school	
Number of cases of Pediculosis	208
Scarlet Fever	2
Measles	1
Tinea (ring worm)	19
Defective vision	37
Impetigo	40
Otorrhea	3
Eczema	25
Weak-minded	1
Urticaria	10
Tonsillitis	2
Tuberculosis	1
Conjunctivitis	8
Mumps	1
Fever (doubtful)	3
Scabies	2
Chicken-pox	3
Blepharitis	2
Anaemia	1
Otitis	1
Dermatitis	3
Chorea	1
Lupus	1
Rhinitis	1
	376

Respectfully submitted,

CHAS. F. CONNOR, M. D.

REPORT OF MEDICAL INSPECTION OF SCHOOLS.

NEW BEDFORD, Jan. 1, 1902.

To the Board of Health:

GENTLEMEN:—I herewith submit my report for the year 1901.

Number of children examined		1825
Number of children recommended to be sent home		36
Number of consultations with teachers about pupils returning to school		
Number of cases of	Pediculosis	163
	Tinea	8
	Defective vision	8
	Impetigo	13
	Weak-minded	1
	Conjunctivities	9
	Scabies	2
	Paralysis	1
		205

Respectfully submitted,

GEO. F. LEWIS,
Medical Inspector of Schools.

MORTUARY REPORT, 1901.

NEW BEDFORD, Jan. 1, 1902.

To the Board of Health :

GENTLEMEN :—I herewith submit the record of deaths and cases of contagious and infectious diseases for the year ending December 31, 1901.

CAUSE OF DEATH.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Apoplexy	5	7	4	4	4	3	1	1	3		1	1	34
Anaemia	1	1	1		1	1				1			6
Arterio schlerosis	3	1		1					2	1		1	9
Atelectasis	1								1		1		3
Appendicitis				1								1	2
Asphyxia						1							1
Abscess, pelvic						1					1		2
Addison's disease								1					1
Alcoholism											2		1
Bronchitis	7	3	10	3	2	3	3	1		2	2	4	40
Bronchitis, cap	4	3	4	1	1	1							14
Brain disease		1	1	2		2	2	2	1				11
Burn			1	1		1			2	1		1	7
Convulsions	2	1		2	2	2	2	2	3	1	3	3	23
Cancer	3		2	1		1						1	8
Cancer of breast	1		2					1					4
Cancer of stomach		1			2	1	2	2		1	1	1	11
Cancer of liver		1						1	1				3
Cancer of uterus		1	2		2	1		1		1		1	9
Cancer of lung			1										1
Cancer of throat			1						1				2
Cancer of rectum								1				1	2
Cancer of intestines								1		1			2
Cancer of testicles								1					1
Cancer of bladder								1					1
Cancer of lip								1					1
Cancer of jaw										1			1
Cancer of prostrate gland										1			1
Cancer of face									1			1	2
Cholera infantum	1					3	27	52	7	3	2		95
Cystitis				1						1		1	3
Cyst. hydatid									1				1
Colitis ulcerative											1		1
Debility			3			1	1					1	6
Debility, infan	8	2	11	7	1	6	1	15	7	9	6	6	79
Diabetes	1	2				1	1	1	2		2		10
Dermatitis	1												1
Drowning	1			1	1	1	2	1					7
Diphtheria		2	2	1	1	1	1	1	1		3	1	14
Dystocia		1											1

MORTUARY REPORT, 1901—*Continued.*

Cause of Death.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Diarrhoea	..	..	..	..	..	1	..	1	..	..	1	..	3
Dysentery	..	..	..	..	..	..	..	1	2	2	..	1	6
Duedonitis gastro	..	..	..	..	..	..	..	1	..	..	..	..	1
Entero colitis	2	..	1	..	..	1	1	..	..	..	..	..	5
Enteritis	..	1	1	1	..	3	1	1	2	1	1	1	13
Enteritis gastro	..	..	1	..	..	..	4	11	4	4	1	..	25
Emphyema	..	1	..	..	..	..	..	..	..	..	..	..	1
Embolism	..	1	1	..	..	..	..	..	..	..	..	2	4
Embolism of pop. artery	..	..	1	..	..	..	..	..	..	..	..	..	1
Erysipelas	..	..	..	..	..	1	..	..	..	..	..	1	2
Eclampsia	..	..	..	..	..	..	..	..	1	..	..	1	2
Fracture of skull	2	1	1	..	..	1	..	2	..	..	..	..	7
Fever, scarlet	..	2	..	5	1	..	..	1	..	..	..	1	10
Fever, puerperal	..	..	..	..	1	..	..	1	..	..	..	..	2
Fever, typhoid	..	..	..	..	1	1	..	8	4	3	..	2	19
Fistula foecal	..	..	..	..	..	..	..	1	..	..	..	..	1
Gangrene	1	..	..	..	..	..	..	..	..	..	..	..	1
Gangrene of foot	..	..	..	..	..	..	..	1	1	..	..	..	2
Gastritis	..	..	..	..	..	..	..	..	..	..	..	1	1
Gastric ulcer	..	..	..	..	..	..	..	..	1	..	..	..	1
Heart disease	11	7	17	7	12	8	10	8	8	8	9	7	112
Hemorrhage	..	..	..	..	..	..	..	..	1	..	1	..	2
Hemorrhage internal	1	1	..	1	2	..	..	..	..	..	..	..	5
Hemorrhage intestinal	..	..	..	1	..	..	..	..	..	..	..	..	1
Hemorrhage Pul	..	..	..	..	..	1	..	..	..	..	..	..	1
Hemorrhage umbilical	..	..	..	..	..	1	..	..	..	..	..	1	2
Hodgkins' disease	..	..	1	..	..	..	..	..	..	..	..	..	1
Hyperthrophy of ganglion	..	..	..	1	..	..	..	..	..	..	..	..	1
Hemiplegia	..	..	..	..	..	1	..	..	..	..	..	..	1
Heart, stab of	..	..	..	..	..	..	..	..	..	..	..	1	1
Intestinal obstruction	1	2	..	1	1	..	1	4	..	..	1	..	11
Influenza	1	4	..	..	..	..	..	..	..	..	..	1	6
Insanity	..	..	3	..	..	..	..	1	..	..	..	..	4
Injury to spinal cord	..	..	..	1	..	..	..	..	..	..	..	..	1
Injury, gunshot	..	..	..	..	..	..	..	..	1	..	..	..	1
Injuries, multiple	..	..	..	..	..	..	..	..	..	..	1	1	2
Insolation	..	..	..	..	..	..	..	1	..	..	..	..	1
Ileo-colitis	..	..	..	..	..	..	..	1	..	..	..	..	1
Kidney disease	5	6	5	4	6	4	3	8	8	4	7	4	64
Lungs, oedema of	2	..	2	..	1	1	..	..	..	..	1	..	7
Lungs, congestion of	..	..	..	..	..	..	1	1	..	..	..	..	2
Locomotor ataxia	..	..	1	..	..	..	..	..	..	..	..	..	1
Liver, cirrhosis of	..	..	2	..	..	..	1	..	1	..	1	1	6
Liver, hypertrophy of	..	..	..	..	..	..	..	..	..	..	..	1	1
Laryngitis	..	..	1	..	1	..	..	..	..	..	..	..	2
Laryngitis, tub	..	..	..	..	..	..	..	..	1	..	..	..	1
Meningitis	4	7	5	2	4	3	..	3	4	5	1	3	41
Meningitis cer	..	..	1	..	1	..	..	..	..	..	..	..	2
Meningitis cer. spinal	1	..	1	..	..	1	..	..	1	..	..	..	4
Meningitis spinal	..	..	..	..	..	1	..	..	..	..	..	..	1

MORTUARY REPORT, 1901—*Continued.*

Cause of Death.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Meningitis tub	..	..	2	..	..	3	1	1	2	..	..	..	9
Myelitis	1	..	..	..	..	1	..	..	..	..	..	..	2
Malformation	1	..	..	..	..	..	..	..	..	..	..	..	1
Malnutrition	1	..	..	1	..	..	..	..	..	..	1	..	3
Measles	1	..	..	..	..	1	..	..	..	..	..	..	2
Natural causes	1	1	2	3	2	2	..	1	..	1	4	2	19
Old age	1	5	2	3	2	7	2	1	2	2	1	3	31
Oto mastoiditis	..	..	..	..	..	..	..	1	..	..	..	..	1
Paralysis	4	3	..	..	..	..	1	1	1	..	1	2	13
Pneumonia	15	36	20	8	2	4	..	1	2	3	4	4	99
Premature birth	1	1	2	3	1	..	2	7	1	..	8	3	29
Phthisis pul	9	11	14	5	9	18	8	15	13	9	7	7	125
Peritonitis	1	..	2	2	1	..	..	1	..	1	1	1	10
Peritonitis metro	..	..	..	..	..	..	..	..	1	..	..	..	1
Pyaemia	..	..	1	..	..	..	..	..	..	..	..	..	1
Pleurisy	..	..	1	..	..	..	..	1	..	..	1	1	4
Parotitis	..	..	..	1	..	..	..	..	..	..	..	..	1
Purpura hemorrhagica	..	..	..	..	..	..	..	..	1	..	..	..	1
Poisoning—													
By arsenic (suicide)	1	..	..	..	1	..	..	..	..	..	..	..	2
By morphia and atropia	..	..	1	..	..	..	..	..	..	..	..	..	1
By wood alcohol	..	..	..	..	..	..	..	..	..	1	..	..	1
By carbolic acid (suicide)	..	..	..	..	..	..	..	..	..	..	1	..	1
Pistol shot wound of brain (suicide)	..	..	..	..	..	..	..	..	..	..	..	1	1
Rachitis	..	..	..	..	..	..	..	..	..	..	1	..	1
Rheumatism	..	..	..	1	..	..	..	..	..	..	..	1	2
Septicaemia	1	2	1	..	..	2	..	1	..	2	..	1	10
Suffocation, accidental	1	..	..	..	..	..	..	..	..	..	..	..	1
Syphilis	..	1	..	..	..	..	..	1	1	..	1	1	5
Strangulated hernia	..	1	..	..	..	..	..	..	..	..	2	..	3
Sarcoma	..	..	..	..	..	..	..	..	..	..	..	1	1
Sarcoma of nose	..	1	..	..	..	..	..	..	..	..	..	..	1
Spina bifida	..	..	..	..	1	..	..	..	..	..	..	..	1
Smallpox	..	..	..	..	..	5	1	..	..	..	..	..	6
Suicide, illuminating gas	..	..	..	..	..	..	1	..	..	..	..	..	1
Strangulation (suicide)	..	..	..	..	..	..	..	1	..	..	..	..	1
Spine, caries of	..	..	..	..	..	..	..	..	1	..	..	..	1
Tuberculosis	4	1	..	1	..	..	..	1	..	5	..	2	14
Tabes mesenterica	..	..	..	1	..	..	..	1	..	1	1	..	4
Thrombosis cer	..	2	..	..	..	..	..	..	..	..	..	..	2
Toxaemia	..	..	1	..	..	..	..	..	..	..	..	..	1
Tetanus	..	..	..	1	..	..	..	..	..	..	1	..	2
Unknown	..	..	..	..	1	..	..	..	..	..	..	..	1

MORTUARY REPORT, 1901.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Whole number of deaths.	113	125	140	81	68	102	82	180	99	77	84	85	1236
Whole number of males.	52	56	58	45	35	50	48	95	44	34	45	37	599
Whole number of females	61	69	82	36	33	52	34	85	55	43	39	48	637
Stillborn { Males	2	4	6	2	5	2	4	6	1	5	1	5	43
Stillborn { Females	2	2	3	1	5	2	1	4	1	2	5	3	31
Sex unknown	1	..	..	..	..	...	..	...	..	.	..	..	1

Estimating the population at 66,000, the death rate per 1000 inhabitants is 18.73.

CASES OF CONTAGIOUS AND INFECTIOUS DISEASES.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Smallpox	..	..	..	..	6	28	1	.	..	..	..	2	37
Scarlet fever	19	10	10	10	13	4	7	4	7	5	12	11	112
Diphtheria	4	3	7	7	5	3	1	3	1	6	6	3	49
Measles	26	27	18	6	.	.	1	..	..		..	1	79
Typhoid Fever	2	2	1	2	7	4	4	44	11	7	9	6	99

MORTUARY REPORT, 1901.

		Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Under 1 year	Males...	15	17	14	13	6	10	29	51	16	9	13	11	204
	Females.	21	12	16	5	5	9	14	37	9	10	8	11	157
1-2 years	Males...	2	7	5	3	1	6	3	1	2	4	2	1	37
	Females.	2	4	2	3	..	3	..	4	3	1	3	1	26
2-3 years	Males...	3	3	5	..	..	2	1	3	1	..	..	..	18
	Females.	1	3	2	..	..	1	..	1	2	..	1	.	11
3-4 years	Males...	1	1	3	2	..	..	..	2	1	1	1	1	13
	Females.	1	2	1	..	..	..	..	..	1	..	1	..	6
4-5 years	Males...	..	1	2	1	..	..	..	..	..	..	1	2	7
	Females.	..	.	3	..	2	2	..	..	1	1	.	1	10
5-10 years	Males...	..	2	2	1	..	2	1	3	2	3	1	1	18
	Females.	2	1	3	2	2	2	1	1	..	1	..	2	17
10-15 years	Males...	..	..	..	2	1	1	2	1	..	..	2	.	9
	Females.	..	..	..	1	..	..	..	2	..	1	1	.	5
15-20 years	Males..	1	1	1	..	..	1	2		1	1	1	..	9
	Females.	1	3	..	..	1	1	..	3	..	2	..	3	14
20-30 years	Males...	2	..	3	3	5	7	..	5	4	..	..	2	31
	Females.	6	4	7	3	7	3	3	7	12	5	2	2	61
30-40 years	Males...	4	1	2	2	2	5	..	7	4	3	4	4	38
	Females.	5	7	4	3	2	7	5	2	5	3	5	3	51
40-50 years	Males.	5	4	1	4	3	7	..	8	2	2	3	3	42
	Females.	5	4	5	3	2	3	1	9	4	3	4	6	49
50-60 years	Males...	3	4	5	4	6	4	3	1	3	3	3	2	41
	Females.	2	4	14	2	2	3	2	6	6	2	8	3	54
60-70 years	Males...	8	9	3	5	4	2	4	7	3	3	5	3	56
	Females.	6	6	10	6	7	3	4	7	2	6	1	7	65
70-80 years	Males...	4	2	9	5	4	1	2	6	3	2	4	6	48
	Females.	4	10	6	5	2	9	3	4	6	4	5	7	65
Over 80 years	Males...	4	4	3	..	3	2	1	..	2	3	5	1	28
	Females.	5	9	9	3	1	6	1	2	4	4		2	46

Respectfully submitted,

SUSAN J. SMALL, Clerk.

NEW BEDFORD, Jan. 1, 1902.

To the Board of Health:

GENTLEMEN:—I hereby submit my report as Health Inspector for the year ending Dec. 31, 1901.

Filthy and defective privies and cesspools	44
Overflowing vaults and cesspools	24
Filthy yards and cellars	25
Filthy and defective water-closets	10
Filthy ash and swill barrels	8
Defective plumbing	4
Defective drainage	12
Barn and barn cellar nuisances	6
Manure piles removed	7
Complaints from location of privies	23
Complaints of hens and goats	22
Sand-catcher complaints	10
Unlicensed pigs	7
Collecting swill without a license	3
Complaints without cause	16
Complaints of water in cellars	7
Investigating locations to keep cows and pigs	11
Clogged drain pipes	12
Complaints of sewer gas in cellar	2
Complaints from fish markets	4
Inspected locations for building barns	6
Number of notices served	62
Rooms fumigated	391
Houses placarded	121
Mattresses collected and burned	183
Number of inspections	298

Respectfully submitted,

WM. E. MACOMBER,
Health Inspector.

NEW BEDFORD, Jan. 1, 1902.

To the Board of Health:

GENTLEMEN: — I have the honor to submit the following report of the work performed by me as Inspector of Plumbing.

Number of permits issued	476
Number of inspections	3,750
Additions, Alterations	150

Number of fixtures placed in buildings:

	Old	New
Sinks	383	328
Water-closets	371	238
Wash-bowls	143	106
Bath-tubs	108	136
Wash-trays	17	7
Urinals	10	3

Respectfully submitted,

LOUIS H. RICHARDSON,
Inspector of Plumbing.

NEW BEDFORD, Jan. 1, 1902.

To the Board of Health:

GENTLEMEN:—I have the honor to submit the following report as Quarantine Physician for the year 1901.

Boarded 15 vessels arriving from foreign ports. Two of these vessels were detained in quarantine, as smallpox was found to be on board. The patients were removed to the City's smallpox hospital for treatment and the vessels thoroughly fumigated before passed.

Respectfully submitted,

M. V. SYLVIA,

Quarantine Physician.

REPORT OF THE BOARD OF PLUMBING EXAMINERS.

NEW BEDFORD, Jan. 1, 1902.

To the Board of Health:

GENTLEMEN:—During the year 1901 there were held five meetings. Ten plumbers were examined and were recommended to your board for licenses. Master 7, Journeymen 3. One journeyman and three master plumbers failed on first examination, but were successful on second.

Respectfully submitted,

WM. G. KIRSCHBAUM,
EDMUND O'KEEFE,
WM. DEACON,
} Board of Examiners.

NEW BEDFORD, Jan. 1, 1902.

To the Board of Health:

GENTLEMEN: — We have the honor to submit the following report:

Collected and disposed of the past year under contract, about 25 tons of garbage per day; 244 horses (129 of them shot); 27 cows; 10 hogs and pigs; 1 mule, 1 monkey; about 300 dogs, cats, hens, etc.

Yours respectfully,

For the New Bedford Product Co.,

EDGAR H. GAMMONS, Manager.

IN BOARD OF ALDERMEN,
Jan. 23, 1902.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,
Jan. 23, 1902.

Concurred.

W. H. B. REMINGTON, Clerk.

1902 — CITY DOCUMENT No 8.

THE

ANNUAL FINANCIAL REPORTS

OF THE

CITY OF NEW BEDFORD

FOR THE YEAR

1901.

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, CITY PRINTERS.
1902.

THE

AUDITOR'S ANNUAL REPORT

OF THE

Receipts and Expenditures

OF THE

CITY OF NEW BEDFORD

FOR THE YEAR 1901.

City of New Bedford,
Office of the City Auditor,
April 16, 1902.

To the Honorable, the City Council:—

Gentlemen:—I have the honor to submit herewith the annual report of the receipts and expenditures of the City of New Bedford for the financial year ending on the first Monday in December, 1901; with a statement of the city debt, a schedule of the city property and the estimated value thereof, and other statements that have been deemed of interest.

Very respectfully,

CHARLES J. McGURK,
City Auditor.

AUDITOR'S REPORT.

JAMES H. HATHAWAY, CITY TREASURER, IN ACCOUNT WITH THE CITY OF NEW BEDFORD.

DR.

December 3, 1900. To balance of cash		$50,911.26
Appropriations general, taxes 1901	$920,153.28	
" " " 1900	44,275.49	
" " " 1899	14,415.10	
" " " 1898	52.80	
" " " 1897	51.84	
" " " 1896	184.94	
Board of Health	5.63	
" " contagious disease	400.00	
Cemeteries	10,996.99	
" sale of lots	4,182.00	
City Property	16.19	
Com. of Mass., Chap. 279 of 1896	700.00	
" " " 372 of 1899	1,467.82	
" " " 374 of 1899	10,969.00	
Department of Wharves	4,131.61	
Fire Department	739.40	
Free Public Library, Dog Fund	1,456.04	
Free Public Library, trustees of—		
James B. Congdon Fund	30.00	
George O. Crocker Fund	400.00	
Oliver Crocker Fund	60.00	
George Howland, Jr., Fund	96.00	
Sylvia Ann Howland Fund	3,000.00	
Charles W. Morgan Fund	60.00	
Charles L. Wood Fund	80.00	
Highways and Streets	36,924.24	
Incidentals	.75	

New Bedford School Committee—		
Sylvia Ann Howland Fund	3,000.00	
Jonathan Bourne Prize Fund	60.00	
New Bedford Water Works	115,130.54	
Park Commission	44.07	
Police Department	6,219.38	
Poor Department	9,735.91	
Public Debt	110,080.00	
Public Schools, Dog Fund	1,456.04	
Real Estate Tax Account	587.92	
Sewers, General Account	7,999.37	
Sewer, Sawyer Street	17.88	
Temporary Loans	1,238,000.00	
Unappropriated Funds	160,224.72	2,707,404.95
		$2,758,316.21

AUDITOR'S REPORT.

JAMES H. HATHAWAY, CITY TREASURER, IN ACCOUNT WITH THE CITY OF NEW BEDFORD.

CR.

Armories and military property	$3,124.88
Board of Assessors	6,495.72
Board of Health,	21,823.22
" " " laboratory	232.52
" " " contagious disease	23,218.68
Cemeteries	27,830.18
" sale of lots	4,572.36
City property	6,944.67
Coggeshall Street Bridge	89.73
Com. of Mass., Chap. 279 of 1896	1,050.00
" " " " 372 of 1899	2,559.46
" " " " 374 of 1899	11,547.13
" " " " 447 of 1890	10,188.09
Court judgments	90.32
Department of Wharves	5,874.13
Elections	4,025.86
Engineering Department	10,621.52
Fire Department	78,737.83
Fourth of July celebration	1,123.54
Free Public Library	11,875.64
" " " Dog Fund	1,880.44
Free Public Library, trustees of —	
George O. Crocker Fund	220.54
George Howland, Jr., Fund	26.00
Sylvia Ann Howland Fund	3,089.23
Reading Rooms Fund	261.26
Highways and Streets	196,005.22

Incidentals	43,308.24
" Memorial Day	847.00
Land Damages, Acushnet avenue, No. 4	2,669.25
" " Widening Kempton street	2,100.00
" " Widening So. Second street	1,843.80
License Commission	538.25
Lighting the Streets	52,337.77
N. B. School Committee, Howland Fund	2,933.00
" " " Bourne Prize Fund	60.00
N. B. Water Works	121,556.82
" " " Further Water Supply	13,568.74
Park Commission	23,011.63
" " South End Park	28,000.00
Pingree Plan	1,289.12
Plans, etc., new school buildings	2,093.75
Police Department	113,457.38
Poor Department	66,781.99
Printing, Binding and Stationery	2,604.02
Public Baths	813.32
Public Debt	298.797.58
Public Schools, dog fund	565.04
" " furnishings, etc.	13,000 00
" " incidentals	66,390.43
" " pay of teachers	151,985.93
" " repairs of buildings	8,500.00
Salaries	25,811.67
Schoolhouse, Blackmer street	21,187.60
" " " heating, etc.	6,875.00
" Coggeshall street	30,884.20
" " " heating, etc.	6,875.00
" Shawmut avenue	10,070.81
" " " heating, etc.	3,800.00
Schoolhouse lot, Blackmer street	12,111.98
Schoolhouse lot, Blackmer street, moving buildings	1,773.05
Sewers, General Account	23,659.65
Sewer, Adams street	1,559.75
" Allen street	689.25
" Bowditch and Deane streets	250.00
" Coggeshall street	3,148.19
" David street	1,496.63
" Deane street	142.60
" Jenney Lind street	519.31
" Lombard street	299.39

Sewer, Merrimac street	214.64	
" Mill and Kempton streets	10.91	
" Palmer street	348.15	
" Penniman street, No. 2	1,167.44	
" Sawyer street	7,668.62	
" Summer street, No. 4	301.56	
" " " No. 5	388.64	
Sinking Funds	101,589.70	
Howland School, heating, etc.	5,000.00	
Temporary Loans	963,000.00	
Textile School	7,000.00	
Woman's Ward and Hospital, plans, etc.	512.68	
		$2,690,917.65
City Treasurer, balance of cash		67,398.56
		$2,758,316.21

Expenditures in Detail.

APPROPRIATIONS, GENERAL, 1901.

Armories and military property	$3,000.00	
Board of Assessors	6,500.00	
Board of Health	20,800.00	
Cemeteries	12,000.00	
City Property	6,500.00	
Coggeshall Street Bridge	600.00	
Com. of Mass., Chap. 372 of 1899	1,500.00	
" " " " 447 of 1890	8,500.00	
Elections	4,500.00	
Engineering Department	10,000.00	
Fire Department	78,000.00	
Free Public Library	12,000.00	
Highways and Streets	60,830 00	
Incidentals	30,000.00	
License Commission	1,000.00	
Lighting the Streets	55,000.00	
New Bedford Water Works	12,000.00	
Park Commission	18,000.00	
Pingree Plan	1,200.00	
Police Department	112,000.00	
Poor Department	55,000.00	
Printing, Binding and Stationery	3,000.00	
Public Debt	184,855.00	
Public Schools, incidentals	53,500.00	
" " pay of teachers	78,830.00	
" " repairs of buildings	8,500.00	
Salaries	24,895.00	
Sewers, General Account	12,000.00	
Sinking Funds	101,589.70	$976,099.70

CR.

By receipts as per Treasurer's reports	$920,153.28	
December 2, 1901. Balance	55,946.42	$976,099.70

DR.

December 2, 1901. To balance	$55,946.42

APPROPRIATIONS, GENERAL, 1900.

DR.

December 3, 1900	$55,770.04

CR.

By receipts as per Treasurer's reports	$44,275.49	
December 2, 1901. Balance	11,494.55	$55,770.04

DR.

December 2, 1901. To balance	$11,494.55

APPROPRIATIONS, GENERAL, 1899.

DR.

December 3, 1900. Balance	$14,415 10

CR.

By receipts as per Treasurer's reports	$14,415.10

APPROPRIATIONS, GENERAL, 1898.

DR.

December 3, 1900. Balance	$10,209.65

CR.

By receipts as per Treasurer's reports	$52.80	
December 2, 1901. Balance	10,156.85	$10,209.65

DR.

December 2, 1901. To balance	$10,209.65

APPROPRIATIONS, GENERAL, 1897.

DR.

December 3, 1900. Balance	$16,488.22

CR.

By receipts as per Treasurer's reports	$51.84	
December 2, 1901. Balance	16,436.38	$16,488.22

DR.

December 2, 1901. To balance	$16,436.38

APPROPRIATIONS, GENERAL, 1896.

DR.

December 3, 1900. Balance	$25,030.22

CR.

By receipts as per Treasurer's reports	$184.94	
By transfer from "Unappropriated Funds"	24,845.28	$25,030.22

APPROPRIATIONS, SPECIAL, 1901.

Dr.

Board of Health, contagious disease	$23,000.00	
" " " laboratory	1,200.00	
Cemeteries	5,000.00	
Fourth of July celebration	1,200.00	
Highways and Streets	94,170.00	
Incidentals	12,000.00	
Land Damages, Acushnet avenue, No. 4	5,714.00	
" " Widening Kempton street	800.00	
Park Commission, South End Park	28,000.00	
Plans, etc., new school buildings	2,093 75	
Public Schools, incidentals	13,000.00	
" " pay of teachers	25,000.00	
Sewers, General Account	5,000.00	
Sewer, Adams street	2,100 00	
" Allen street	1,500.00	
" Coggeshall street	3,150.00	
" David street	1,750.00	
" Deane street	200.00	
" Jenney Lind street	2,000.00	
" Lombard street	500.00	
" Merrimac street	200.00	
" Palmer street	600.00	
" Penniman street	700.00	
" Sawyer street,	7,000.00	
" Summer street, No. 4	325.00	
" " " No. 5	375 00	
Howland School, heating, etc.	5,000.00	
Textile School	7,000.00	
Woman's Ward and Hospital, construction	11,975.00	
" " " " heating, etc.	2,673.00	
" " " " plans, etc.	512.68	$263,738.43

Cr.

By transfer from "Unappropriated Funds"	$60,355.31	
December 2, 1901. Balance	203,383.12	$263,738.43

Dr.

December 2, 1901. To balance	$203,383.12

APPROPRIATIONS, SPECIAL, 1900.

DR.

December 3, 1900.	Balance	$188,188.43

DR.

December 2, 1901.	To balance	$188,188.43

ARMORIES AND MILITARY PROPERTY.

DR.

BATTERY E, FIRST REGIMENT, M. V. M., ARMORY.

F. T. Akin & Co., fuel	$65.63	
F. T. Akin & Co., setting glass	.23	
Thomas J. Gifford & Co., heating repairs	13.95	
F. B. Greene, agent, rent	800.00	
F. B. Greene, agent, heating	192.50	
N. B. Gas & Edison Light Co., lighting	482.37	
N. B. Gas & Edison Light Co., repairs, etc.	17.93	$1,572.61

G COMPANY, NAVAL BRIGADE, M. V. M., ARMORY.

F. T. Akin & Co., fuel	$7.00	
F. T. Akin & Co., stock and labor	.70	
William P. Briggs, stock and labor	2.55	
Dennis Charpentier, stock and labor	48.22	
Denison Bros. Co., fuel	32.15	
David Duff & Son, fuel	38.75	
Household Furnishing Co., stove fittings	1.00	
Lucas & Kent, boat repairs and storage	43.00	
N. B. Gas & Edison Light Co., lighting	398.54	
N. B. Gas & Edison Light Co., repairs, etc.	2.75	
Proprietors of Lewis Hall, rent	800.00	
C. F. Wing, stock and labor	2.50	1,377.16

RIFLE RANGE.

F. T. Akin & Co , fuel	$3.75	
F. S. Brightman Co., cards, etc.	49.00	
William P. Briggs, stock and labor	38.95	
Joseph L. Gibbs, stock and labor	29.16	
H. S. Hutchinson & Co., targets	35.25	156.11

MISCELLANEOUS.

Albion T. Brownell, dinners	$15.00	
T. S. Swift, hacking	4.00	19.00
		$3,124.88

CR.

By appropriation	$3,000.00	
By transfer to balance	124.88	$3,124.88

BOARD OF ASSESSORS.

DR.

Clerical help:—		
Pay rolls		$4,897.88
Carriage hire, tickets, etc. :—		
S. Desautels	$15.00	
J. H. Finnell	30.00	
C. H. Murphy	19.00	
N. Y., N. H. & H. R. R. Co.	80.00	
A. A. Sylvia	16.00	
Union Street Railway Co.	10.00	
David Warren	15.00	185.00
Stationery and Supplies :—		
Beck Duplicator Co.	5.90	
F. S. Blanchard & Co., Mass. Year Book	3.00	
F. P. Bridges & Co., pens	7.50	
F. S. Brightman Co , stationery	152.37	
T. S. Buck, rubber stamps	5.20	
F. S. Webster Co., type-writer ribbons	9.00	
W. A. Greenough & Co., directories	5.00	
H. S. Hutchinson & Co., stationery	10.28	
Library Bureau, cards	76.27	
Lyons Platinum Pen Co., pens	4.00	
L. Z. Normandin, pens	9.00	
R. W. Taber, stationery	33.17	
U. S. Post-office Dept., stamps	26.78	
Yawman & Erbe Mfg. Co., filing case	.25	347.72

Printing, binding and advertising :—		
Catholic Union Publishing Co.	24.00	
A. E. Coffin	742.23	
W. H. Collins & Co.	4.75	
E. Anthony & Sons, Incorp.	45.48	
Mercury Publishing Co.	7.00	
Sullivan & Markey	102.45	925.91
Miscellaneous :—		
F. T. Akin & Co., chamois	.75	
A. M. Alger, probate inventory	.40	
G. H. Allen, U. S. Postal Guide	2.00	
Banker & Tradesman, subscription	5.00	
Bliss & Nye, mantles and shades	3.20	
Briggs & Lawrence, shades	3.45	
A. T. Brownell, dinners	2.00	
William Cronin & Co., case	2.00	
C. S. & B. Cummings, soap and matches	4.65	
DeWolf & Vincent, hardware	1.06	
C. A. Gray & Co., freight and carting	1.25	
Hatch & Co., expressage	.80	
T. F. Healey, chairman, expenses of Board	63.05	
P. P. Jenney & Son, sharpening erasers	.50	
W. G. Lamb, repairing furniture	1.10	
R. A. Leonard, lock crank	1.00	
Moore & Dick, towels	3.00	
N. B. Co-operative Express	.80	
N. B. Gas & Edison Light Co., stock and labor	1.85	
N. B. Steam Carpet Beating Establishment	6.50	
Packard Hardware Co., hardware	.65	
A. P. Pope, stock and labor	22.80	
C. F. Shaw, expenses	2.15	
So. Mass. Tel. Co., tolls	.75	
C. F. Wing, repairing desk	2.30	
Wood, Brightman & Co., mantles and shades	6.20	139.21
		$6,495.72
To transfer to balance		4.28
		$6,500.00

Cr.

By appropriation	$6,500.00

BOARD OF HEALTH.

Dr.

Advertising :—		
E. Anthony & Sons, Incorp.	$14.55	
Mercury Publishing Co.	12.71	$27.26
Carriage hire :—		
E. C. Gardiner	1.00	
Kirby & Hicks	26.00	
S. F. Perry & Son	14.00	41.00
Collecting garbage :—		
New Bedford Product Co.	15,000.00	15,000.00
Medical supplies :—		
Amyl-Kijo Chemical Co.	8.70	
C. T. Bosworth & Co.	4.00	
Frank M. Douglass	265.12	277.82
Pest house :—		
George G. Cassidy, services	25.00	
Thomas Donaghy, rubbers	.85	
Fichtenmayer & Flynn, shoeing	1.25	
Mosher & Andrews, stock and labor	22.86	49.96
Printing and stationery :—		
Carter's Ink Co.	1.50	
A. E. Coffin Press	92.35	
W. H. Collins & Co.	6.25	
H. S. Hutchinson & Co.	1.00	
Mercury Publishing Co.	5.00	
Sullivan & Markey	16.00	
Robert W. Taber	21.02	143.12
Salaries :—		
Edmond F. Cody, medical inspector	208.31	
Charles F. Connor, bacteriologist	166.68	
Charles F. Connor, school inspector	350.00	
George F. Lewis, school inspector	500.00	
William E. Macomber, health officer	1,003.75	
Louis H. Richardson, plumbing inspector	1,400.00	
William C. Sheehy, medical inspector	291.69	
Susan J. Small, clerk	700.08	4,620.51
Miscellaneous:—		
Almy & Hitch, labor	2.50	
Allen's Express, charges	.25	

Bates & Kirby, rent	548.00
Bates, Kirby & Co., ice	4.20
F. S. Blanchard & Co., book	3.00
Bliss & Nye, soap dish	.28
Briggs & Lawrence, furniture and draperies	122.08
George Brown, services	32.75
Manuel Brown, services	24.00
Albion T. Brownell, refreshments	7.50
Edmond F. Cody, M. D., services and expenses	23.00
C. F. Connor, M. D., services and expenses	7.85
A. W. Croacher, M. D., bandages	3.25
A. W. Croacher, M. D., vaccinations	206.50
C. S. & B. Cummings, matches	1.88
William Deacon, services as examiner	31.50
William Deacon, services as inspector	53.86
John M. Dennis, index	1.00
DeWolf & Vincent, sundries	4.04
W. A. Greenough & Co., directory	2.50
Hatch & Co., express charges	29.90
Lea Brothers & Co., book	4.25
Andrew Lloyd & Co., thermometers	1.54
William E. Macomber, janitor	100.00
William E. Macomber, sundries	3.83
Mercury Publishing Co., subscription	6.00
Lewis S. Moore, cleaning	11.90
N. B. Gas & Edison Light Co., lighting	11.24
N. B. Gas & Edison Light Co., fixtures and labor	4.44
N. B. Ice Co., ice	17.70
N. Y., N. H. & H. R. R. Co., mileage	20.00
N. B. Rubber Co., supplies	8.35
N. B. Towboat Co., transportation	55.00
The Oliver Co., typewriter	67.50
John O'Neil, photographs	4.00
Providence Ideal Co., ventilators	6.75
C. G. & G. A. Randall, lumber	.60
William H. Rankin, stock and labor	11.05
Louis H. Richardson, car tickets	60.00
C. R. Sherman & Son, repairs	2.10
Allen Smith, Jr., carting mattresses	36.50
Snow & Farnham, book	5.00
Southern Mass. Telephone Co., service and tolls	45.14

Sylvia & Andrews, groceries	3.16	
Union Street Railway Co., tickets	5.00	
Wamsutta Club, entertainment	31.34	
Western Union Telegraph Co., service	31.32	1,663.55
		$21,823.22

Cr.

By appropriation	$20,800.00	
Receipts as per Treasurer's reports	5.63	
By transfer to balance	1,017.59	$21,823.22

BOARD OF HEALTH, CONTAGIOUS DISEASE ACCOUNT.

Dr.

Chemicals and medical supplies:—		
James E. Blake	$4.50	
C. T. Bosworth & Co.	487.53	
Frank M. Douglass	1,133.72	
Pierre Laplante & Co.	38.90	
C. H. & H. A. Lawton Co.	68.50	
H. K. Mulford Co.	70.70	
L. Z. Normandin	1.00	
James H. Nuttall	69.60	
Pease & Dandurand	.25	
Pease's Prescription Pharmacies	18.60	
Red Cross Chemical Co.	8.00	
Arthur Villeneuve	43.05	$1,944.35
Clothing, furnishings and shoes:—		
Ashley & Peirce Clothing Co.	$1,244.63	
Briggs & Lawrence	117.50	
Boston Shoe Store	5.00	
L. Brightman	40.00	
Buchell Shoe House	45.45	
C. F. Cushing	3.50	
J. Davis & Co.	10.00	
Thomas Donaghy	114.70	

Globe Clothing Co.	152.65	
Haskell & Tripp	55.51	
T. F. Healy & Sons	18.55	
Lucas Shoe Co.	4.50	
Moynan & Co.	63.17	
Neal Shoe Co.	6.00	
New Bedford Rubber Co.	3.50	
Nichols & Damon	203.80	
Poisson Brothers	54.54	
G. & L. Poisson	244.58	
Ruggles & Ellison	338.86	
Sanders & Barrows Clothing Co.	58.45	
Schuler Brothers	8.00	
M. C. Swift & Son	24.42	
J. V. Spare Dry Goods Co.	24.10	
F. W. Wentworth Co.	16.34	
J. & W. R. Wing & Co.	26 50	
L. T. Woolfenden	24.25	$2,908.50
Eggs and milk :—		
N. Antone	$29.40	
Thomas Blecha	4.56	
Isaia Boucher	5.04	
Philip Chicoine	1.74	
John Harbeck	4.71	
Domina Laliberte	4.80	
S. Paquette	7.30	
Moise Suprenant	3.78	
Richard Varley	7.11	$68.44
Groceries :—		
Reuben Arsenault	$324.61	
Albert Benjamin	1.00	
Moise Berard	684.21	
Billeveau & Co.	79.09	
Bolduc & Langlois	281.67	
Thomas Burgess & Son	44.31	
Aldege Chausse	177.64	
H. Choquette	10.66	
S. Desautels	57.49	
H. P. Dion	7.83	
Manuel De Souza	30.76	
D. F. Driscoll	60.93	
German-Bohemian Co-operative Association	54.12	
D. H. Gauthier	87.93	

Richard Hamel	15.10	
John F. Hayes	6.00	
A. Hamelin	28.53	
M. J. Keavey	16.33	
E. H. Healey	43.61	
B. Hebert	142.77	
Joseph Lafrance	58.61	
Lacroix Brothers	52.40	
Joseph Lague	2.75	
Napoleon Nolin	15.79	
Frank J. Oliveira	4.12	
Henry J. Patnaude	6.96	
Charles Poirier	261.81	
Saucier & Parent	486.02	
M. Sushelsky	90.09	
Sylvia & Andrews	234.80	
U. Vigneault	6.15	$3,374.09
Hospital construction and furnishing :—		
John B. Baylies	$4.00	
Bliss & Nye	49.45	
Briggs & Lawrence	163.25	
Coggeshall, Maxfield & Co.	10.40	
De Wolf & Vincent	45.19	
T. M. Hart & Co.	125.00	
N. P. Hayes	1.25	
H. B. Howland	3.00	
Max Levy	6.50	
Thomas Luce & Co.	9.78	
James Martin & Son	13.80	
Moore & Dick	20.40	
Mosher & Andrews	71.07	
Moynan & Co.	28.14	
N. B. Water Works	189.79	
Charles F. Paisler	3.10	
E. F. Penney	1.90	
C. G. & G. A. Randall	234.09	
George D. Richards	55.75	
Ruggles & Ellison	249.30	
F. R. Slocum Co.	137.00	
C. F. Wing	98.25	$1,520.41
Hospital supplies :—		
F. T. Akin & Co.	134.21	
F. S. Brightman Co.	.35	

Chadwick & Co.	2,469.38	
John N. O'Brien	3.75	$2,607.69
Labor and nursing :—		
Nellie Beaurjois	27.00	
Manuel S. Beatriz	57.50	
Joseph I. Boucher	9.14	
George Brown	598.28	
Manuel Brown	429.86	
Charles Carter and wife	66.00	
George G. Cassidy	800.00	
Dona Cormier	31.05	
Robert N. B. Doane	252.50	
W. H. Farnsworth	22.85	
Mary A. Gallant	52.50	
Sarah Gellette	34.71	
Mrs. Philip Gothro	27.42	
Antone Henriques	19.25	
Edith K. W. Jamieson	17.50	
Katie Kurzet	35.00	
Joseph Lobo	22.36	
John Lomba	22.50	
Benedict Monteiro	14.40	
Isaac Neves	19.00	
Rosa Patnaude	30.00	
Alphonse Ricard	5.00	
Pierre Ricard and wife	98.00	
Addie Richards	36.00	
Clement Richards	16.00	
Mrs. John Richards	49.00	
Alex Rocheleau	10.00	
Charles A. Robinson	22.50	
Isaac D. Sampson	111.45	
Clement Savoye	5.00	
Mrs. L. Savoye	14.00	
Mary E. Sylvia	30.00	
Mrs. Louis Tellier	60.60	
Joseph Vera	7.00	
Annie Woodworth	42.00	$3,095.37
Physicians fees :—		
George Barnes	190.00	
Ellen R. Canny	60.00	
Edmond F. Cody	1,000.00	
Charles F. Connor	50.00	

Anna W. Croacher	569 75	
Edward W. Dehn	90.00	
Julien E. Fortin	350.00	
Frederick C. Graves	60.00	
George F. Lewis	40.00	
John H. McCollom	100.00	
Alphonse Normandin	800.00	
Louis Z. Normandin	375.00	
L. Forrest Potter	210.00	
William G. Potter	20.00	
Charles D. Prescott	25.00	
Alfred E. Richards	300.00	
Joseph P. St. Germain	160.00	
William C. Sheehy	80.00	
Frank E. Stetson	50.00	
James F. Sullivan	40.00	
John V. Thuot	100.00	
Irving N. Tilden	60.00	4,729.75
Police service:—		
Samuel W. Peckham	92.00	
Robert B. Ratcliffe	126.00	
Albert H. Rooks	9.60	
John C. Spooner	42.40	
David G. F. Ward	33.60	303.60
Rents:—		
Mrs. Breakell	32.50	
George E. Briggs	12.85	
George P. Brock, agent	28.95	
Kopel Cohen	27.50	
Mary Counsell	12.00	
Henry Fateux	52.50	
Bruno Fortin	14.50	
Kate Francis	19.80	
Grinnell Mfg. Co.	8.50	
James F. Hayes	5.72	
B. Hebert	12.00	
Thomas Hersom & Co.	60.00	
Simeon Jacques	17.50	
Odilon Jarry	15.80	
Thomas Lafontaine	11.80	
Joseph Lague	12.00	
Calixte Lemire	6.00	
Henri Lessard	11.58	

Napoleon Ricard	5.25	
Alphonse Roy	24.00	
Narcisse Roy	5.00	
Daniel J. Sullivan	22.50	
Wamsutta Mills	11.60	
Whitman Mills	11.30	
Alice and Hannah Wroe	10.00	451.15
Transportation :—		
Edwin Allen's Express	1.65	
Dennis Finlan	1.00	
F. A. Frates	24.50	
E. C. Gardiner	273.75	
Highways and Streets	2.25	
William A. Jennings	1.00	
Johnson & Howland	43.00	
Joseph V. King	3.00	
Kirby & Hicks	28.00	
Clarence Lowell	106.92	
New Bedford Towboat Co.	195.00	
Phaneuf & Son	47.93	
Allen Smith, Jr.	86.50	
Napoleon Tessier	3.40	
Union Street Railway Co.	25.00	
David Warren	4.00	846.90
Miscellaneous :—		
James T. Almy, glasses and shades	3.30	
E. Anthony & Sons, Incorp., advertising	1.20	
August Bachmann, board	11.25	
F. S. Brightman Co., stationery	1.25	
C. F. Cushing, case	.75	
J. G. Davoll, grain	2.77	
A. Desautels, burials	557.50	
Henry Fauteux, supplies	5.25	
Napoleon Gould, fuel	1.00	
H. S. Hutchinson & Co., stationery	.70	
Edith V. Kendall, copying	1.25	
John N. O'Brien, fuel	7.35	
John O'Neil, photographs	20.00	
Phaneuf & Son, grain	9.91	
John Rogers, burials	665.00	
John Schmidt, loss of service	20.00	
So. Mass. Telephone Co., service and tolls	44.49	
Robert W. Taber, newspapers	15.46	1,368.43
		$23,218.68

To transfer to balance		181.32
		$23,400.00

Cr.

By special appropriation	$23,000.00	
Receipts as per Treasurer's reports	400.00	$23,400.00

BOARD OF HEALTH—LABORATORY.

Dr.

Briggs & Lawrence, furniture	$34.00	
Lewis S. Moore, cleaning	1.50	
Andrew J. Lloyd & Co., apparatus	194.27	
Ruggles & Ellison, towels	2.75	
		$232.52
December 2, 1901. To balance		967.48
		$1,200.00

Cr.

By special appropriation	$1,200.00

Cr.

December 2, 1901. Balance	$967.48

CEMETERIES.

Dr.

Pay rolls :—		
Oak Grove Cemetery	$7,543.79	
Pine Grove Cemetery	591.00	
Rural Cemetery	10,086.53	
Office	259.50	$18,480.82

Advertising, printing and stationery :—		
G. H. Allen	2.50	
E. Anthony & Sons	6.00	
F. S. Blanchard & Co.	3.00	
F. S. Brightman Co.	21.63	
T. S. Buck	12.00	
A. E. Coffin Press	92.84	
W. H. Collins & Co.	34.53	
W. A. Greenough & Co.	7.50	
H. S. Hutchinson & Co.	9.39	
Mercury Publishing Co.	219.13	
Mortimer Searles	.60	
Sullivan & Markey	4.00	
Robert W. Taber	56.82	469.94
Cinders, loam, sand and sod :—		
William P. Butler	19.27	
Patrick Connors	45.00	
Highways and Streets	26.89	
John W. Manchester	4.38	
A. W. Perkins & Co.	37.29	
Sarah E. Sears	12.75	
A. A. Tripp	30.00	175.58
Dressing :—		
H. T. Borden	22.57	
James Burke	186.89	
George A. Cobb	33.30	
John Connors	38.50	
Patrick Connors	78.93	
Albert Cox	19.66	
James Duddy	90.46	
David Ferguson	84.04	
Thomas Hersom & Co.	9.00	
Leonard Keen, Jr.	15.47	
John M. McLeod	6.16	
Frank Perry & Co.	92.80	
Joseph F. Perry	103.22	
E. L. Potter	12.50	
John A. Smith	52.98	
Charles W. Wordell	21.89	868.37
Hardware, tools and fitting :—		
Acushnet Iron Co.	50.00	
Bomgardner Lowering Device Co.	76.50	
W. P. Butler	20.55	

Coggeshall, Maxfield & Co.	1.85	
Charles W. Coggeshall	2.89	
DeWolf & Vincent	87.21	
H. L. Donaghy	38.10	
C. L. Dunham	3.00	
Folding Casket Lowering Device Co.	8.00	
Jonathan Handy Co.	2.80	
T. M. Hart & Co.	22.14	
N. P. Hayes	111.40	
Highways and Streets	2.00	
Hillman, Washburn & Co.	1.34	
P. P. Jenney & Son	14.20	
John R. Linton & Son	150.00	
S. C. Lowe	16.75	
John McCue	10.12	
Morris Floral Co.	2.50	
E. D. Mosher	55.00	
D. F. Murphy	.74	
N. B. Foundry & Machine Co.	4.02	
E. H. Pierce	3.00	
George W. Randall	9.75	
George D. Richards	3.24	
Julius C. Sylvia	55.32	
E. C. Taber	8.93	
Charles H. Vinal	8.50	
P. C. Wilcox	9.75	779.60
Plants, seeds and shrubs :—		
E. H. Chamberlin	19.00	
John Lewis Childs	4.50	
Henry A. Dreer	7.40	
Peter Henderson & Co.	40.75	
A. H. Hews & Co.	28.80	
J. Frank Kirk	26.00	
E. Y. Peirce	2.00	
E. C. Taber	2.00	
George H. Wady	4.00	
Wilson & Wordell	20.00	154.45
Salaries:—		
Charles F. Cornell, superintendent	1,200.00	
Pardon A. Macomber, clerk	939.00	
Nelson L. Pike, sexton	720.00	
Hurlbert E. Thomas, sexton	720.00	3,579.00

Stock and labor :—		
F. T. Akin & Co.	1.34	
Blair Sign Co.	1.00	
Briggs & Lawrence	4.45	
George A. Cobb	3.10	
W. F. Desmond	341.52	
C. L. Dunham	279.54	
M. S. Greene	35.58	
General Sewers	63.68	
D. L. Hathaway & Son	124.24	
Highways and Streets	3.76	
James W. Hindle	128.62	
Johnson & Howland	2.00	
N. B. Gas & Edison Light Co.	55.74	
E. F. Penney	14.85	
S. F. Rex	95.05	
W. R. West	10.00	1,164.47
Supplies :—		
F. T. Akin & Co.	2.75	
W. P. Butler	2.80	
William H. Caswell	36.98	
Denison Brothers Co.	51.00	
DeWolf & Vincent	9.25	
C. L. Dunham	.20	
George A. Eggers	76.90	
Elzeard Fournier	139.40	
F. W. Francis	2.50	
Gibbs & Fuller	1.50	
T. M. Hart & Co.	2.56	
Highways and Streets	8.00	
A. W. Holmes	135.55	
George Kirby, Jr., & Co.	6.98	
C. H. & H. A. Lawton Co.	1.50	
N. B. Ice Co.	28.60	
Charles S. Paisler	370.37	
W. A. Robinson & Co.	6.10	
E. C. Taber	6.04	$888.98
Miscellaneous :—		
Automatic Telephone Co., rentals	61.50	
Ayman & Bradley, typewriter, etc.	127.50	
John T. Barrows, medical attendance	4.85	
Bliss & Nye, moulding,	1.50	
C. L. Dunham, heater	224.40	

Haskell & Tripp, percale	1.26	
E. V. Kendall, copying	2.25	
Kirby & Hicks, carriage hire	5.00	
John McCue, bound posts	21.00	
P. A. Macomber, clerk, disbursements	91.91	
Merchants' National Bank, rent	300.00	
N. B. Gas & Edison Light Co., lighting	18.53	
N. B. Product Co., services	4.00	
George H. Nye, photographs	50.50	
D. L. Parker, P. M., stamped envelopes	21.20	
Howard Pittsley, labor	1.00	
George D. Richards, vase	.50	
So. Mass. Telephone Co., service and tolls	55.62	
Charles H. Thomas, labor	11.25	
Joseph G. Tirrell, photographs	10.00	
Union Street Railway Co., tickets	165.00	
W. C. Vaughan, Jr, burial cases	75.50	
Wamsutta stables, carriage hire	7.50	
C. F. Wing, draperies, etc.	7.20	1,268 97
		$27,830.18
To transfer to balance		166.81
		$27,996.99

Cr.

By appropriation	$12,000.00	
By special appropriation	5,000.00	
Receipts as per Treasurer's reports	10,996.99	$27,996.99

CEMETERIES, SALE OF LOTS.

Dr.

Pay rolls :—		
Oak Grove Cemetery	$345.99	
Rural Cemetery	519.41	$865.40
Dressing :—		
James Burke	7.57	
Thomas Hersom & Co.	3.00	10.57
Hardware and tools :—		
Bliss & Nye	20.80	

William P. Butler	7.00	
N. P. Hayes	15.50	
Perry P. Jenney & Son	.25	
S. C. Lowe	125.35	
E. F. Penney	2.95	171.85
Seeds :—		
Peter Henderson & Co.	37.34	
J. Frank Kirk	10.00	
W. G. Kraber	3.00	50.34
Sods :—		
William P. Butler	34.83	
John W. Manchester	10.56	45.39
Stock and labor :—		
W. F. Desmond	212.27	
C. L. Dunham	468.99	
D. L. Hathaway & Son	1,467.52	
F. B. Hathaway	100.00	
Highways and Streets	151.51	
James W. Hindle	177.20	
N. B. Boiler & Machine Co.	685.24	
N. B. Water Works	9 21	
E. F. Penney	3.28	3,275.22
Miscellaneous:—		
William H. Caswell, paint supplies	23.31	
Perry P. Jenney & Son, settees	48.00	
Sanders & Barrows Clothing Co., flags	7.38	
Nat P. Smith, services	75.00	153 69
		$4,572.36
December 2, 1901. To balance		239.80
		$4,812.16

Cr.

December 3, 1900. Balance	$630.16	
Receipts as per Treasurer's reports	4,182.00	$4,812.16

Cr.

December 2, 1901. By balance	$239.80

CEMETERY FUNDS.

Cr.

December 2, 1901. By balance		$26,734.93

CITY PROPERTY.

Dr.

Advertising :—		
E. Anthony & Sons, Incorp.	$21.50	
Catholic Union Publishing Co.	6.00	
Mercury Publishing Co.	17.17	$44.67
Almshouse :—		
Samuel H. Cook	100.00	
Hillman, Washburn & Co.	24.45	
John N. Morris	1,057.85	
William E. Newman	18.90	
John V. O'Neil	98.90	
Charles S. Paisler	125.10	1,425.20
City Hall :—		
F. T. Akin & Co.	3.00	
William H. Caswell	.67	
Coggeshall, Maxfield & Co.	.50	
DeWolf & Vincent	13.25	
Edward S. Haskell	189.22	
E. M. Durfee	.35	
N. P. Hayes	2.00	
Highways and Streets	12.69	
Perry P. Jenney & Son	37.35	
N. B. Boiler & Machine Co.	16.85	
E. F. Penney	30.39	
A. P. Pope	4.20	
A. P. Pope & Co.	6.31	
Lyman K. Reed	158.94	475.72
Engine houses:—		
Frank C. Bennett	66.52	
J. H. Benson	287.15	
L. J. Damon	148.70	
W. F. Desmond	.72	

Francis W. Hammond	42.83	
Frederick Hazard	154.90	
Fournier & Nicholson	23.58	
M. A. Hickey	269.90	
Highways and Streets	4.33	
John W. Lynch	31.08	
John L. G. Mason	19.75	
John J. Meaney	44.55	
Thomas J. Meaney	193.81	
A. W. Perkins & Co.	129.54	
E. F. Penney	223.90	
John H. Ryan	65.00	
Frank E. Washburn	14.02	1,720.28
Library Building :—		
Bliss & Nye	29.60	
Briggs & Lawrence	7.45	
William P. Briggs	24.20	
William H. Caswell	232.08	
Samuel H. Cook	50.00	
E. M. Durfee	31.20	
Francis W. Hammond	20.83	
E. S. Haskell	98.49	
George E. Hatch	59.45	
Highways and Streets	13.25	
Hillman, Washburn & Co.	3.25	
James W. Hindle	123.39	
John L. G. Mason	6.55	
N. B. Boiler & Machine Co.	16.33	
N. B. Gas & Edison Light Co.	35.91	
Charles E. Peirce	296.72	
A. W. Perkins & Co.	128.07	
E. H. Pierce	9.00	
A. P. Pope	42.02	
A. P. Pope & Co.	1.91	
F. R. Slocum Co.	143.38	
John B. Sullivan & Son	17.80	
James H. Warren	114.00	
Lettice R. Washburn & Son	129.12	
Wood, Brightman & Co.	6.50	1,640.50
Police stations :—		
Samuel H. Cook	100.00	
F. A. Kempton estate	25.00	
Frank B. Sistare	62.75	
William F. Sturtevant	4.34	192.09

School buildings :—		
Samuel H. Cook	50.00	
General Sewers	244.05	
Highways and Streets	59.65	
Jenney & Buffington	409.97	
N. B. Water Works	174.48	
S. S. Paine & Brother	6.30	
A. W. Perkins & Co.	71.15	1,015.60
Ward rooms :—		
Dalrymple & McIsaac	113.64	
George E. Hatch	3.60	
James W. Hindle	77.47	
David Kempton, 2nd, estate	75.00	
N. B. Gas & Edison Light Co.	.95	
Charles E. Peirce	64.93	
James H. Warren	75.00	410.59
Wood yard :—		
George W. Gay	20.02	20.02
		$6,944.67

Cr.

By appropriation	$6,500.00	
Receipts as per Treasurer's reports	16.19	
By transfer to balance	428.48	$6,944.67

COGGESHALL STREET BRIDGE.

Dr.

Pay rolls		$36.87
Highways and Streets, stock, labor and teaming	$48.70	
C. G. & G. A. Randall, timber	4.16	52.86
		$89.73
To transfer to "Highways and Streets"	$200.00	
To transfer to balance	310.27	510.27
		$600.00

Cr.

By appropriation	$600.00

COMMONWEALTH OF MASSACHUSETTS, CHAPTER 279, ACTS OF 1896.

BURIAL OF SOLDIERS.

DR.

December 3, 1900. To balance		$441.75
Robert G. Bennett	$245.00	
T. J. Murphy	105.00	
Weston C. Vaughan, Jr.	350.00	
E. T. Wilson & Son	350.00	1,050.00
		$1,491.75

CR.

Receipts as per Treasurer's reports	$700.00	
December 2, 1901. Balance	791.75	$1,491.75

DR.

December 2, 1901. To balance	$791.75

COMMONWEALTH OF MASSACHUSETTS, CHAPTER 372, ACTS OF 1899.

MILITARY AID.

DR.

December 3, 1900. To balance	$1,661.25
Disbursements by City Treasurer	2,559.46
	$4,220.71

CR.

By appropriation	$1,500.00	
Receipts as per Treasurer's reports	1,467.82	$2,967.82
December 2, 1901. Balance		1,252.89
		$4,220.71

DR.

December 2, 1901. To balance	$1,252.89

COMMONWEALTH OF MASSACHUSETTS, CHAPTER 374, ACTS OF 1899.

STATE AID.

DR.

December 3, 1900. To balance	$10,074.40
Disbursements by City Treasurer	11,547.13
	$21,621.53

CR.

Receipts as per Treasurer's reports	$10,969.00
December 2, 1901. Balance	10,652.53
	$21,621.53

DR.

December 2, 1901. To balance	$10,652.53

COMMONWEALTH OF MASSACHUSETTS, CHAPTER 447, ACTS OF 1890.

SOLDIERS' RELIEF.

DR.

Ashley & Peirce, clothing	$35.98
D. W. Baker, groceries	15.00
William Baylies, groceries	18.00
H. A. Blackmer, silk heel	4.00
Boston Beef Co., groceries	180.00
C. H. Brownell & Son, groceries	131.96

Church & Hammond, medicine	3.05	
Charles H. Church, truss	2.00	
City Treasurer, cash disbursements	9,449.10	
A. B. Cushman, M. D., services	26.00	
David Duff & Son, fuel	198.45	
D. B. Folger, groceries	81.00	
Albert W. Holmes, fuel	3.50	
Nichols & Damon, shoes	2.50	
Gideon K. Oliver, watching	7.00	
St. Luke's Hospital, board	8.55	
D. K. Tripp, groceries	3.00	
Union Boot & Shoe Co., shoes	7.00	
Franklin H. Vinal, groceries	9.00	
White Cash Store, groceries	3.00	$10,188.09

Cr.

By appropriation	$8,500.00	
By transfer to balance	1,688.09	$10,188.09

COURT JUDGMENTS.

Dr.

Hugh Morrison	$90.92

Cr.

By transfer to balance	$90.92

DEPARTMENT OF WHARVES.

Dr.

William H. Caswell, glazing	$1.06
Coggeshall, Maxfield & Co., plumbing	2.55
Commissioners of Sinking Funds	1,040.00
Hugh L. Donaghy, blacksmithing	130.69
Joseph Donaghy, wharfinger	321.97

Thomas Donaghy, boots	18.00	
James Duddy, filling	26.55	
David Duff & Son, carting	7.75	
Greene & Wood, timber	199.15	
James B. Hamlin, spiles	197.90	
Jonathan Handy Co., iron	9.66	
Highways and Streets, stock, labor and teaming	883.28	
Hillman, Washburn & Co., spikes	7.72	
Jenney & Buffington, stone	195.30	
George E. Kent, spile driving	222.79	
E. B. Macy, blacksmithing	2.59	
N. B. Water Works, metered water	37.68	
N. B. Water Works, stock and labor	7.65	
Public Debt, interest	2,080.00	
C. R. Sherman & Son, key fitting	.85	
John B. Sherman, stock and labor	480.99	$5,874.13
December 2, 1901. To balance		259.49
		$6,133.62

CR.

December 3, 1900. Balance	$2,002.01	
Receipts as per Treasurer's reports	4,131.61	$6,133.62

CR.

December 2, 1901. By balance	$259.49

ELECTIONS.

DR.

Advertising, binding and printing:—		
E. Anthony & Sons, Incorp.	$352.84	
Catholic Union Publishing Co.	235.50	
A. E. Coffin Press	896.39	
W. H. Collins & Co.	14.50	
Daily L'Independant Publishing Co.	290.05	
H. S. Hutchinson & Co.	.50	
Mercury Publishing Co.	348.24	
Sullivan & Markey	2.00	$2,140.02

Carriage hire :—		
Isaac L. Ashley	9.00	
Charles R. Cornell	9.00	
Kirby & Hicks	15.00	
C. H. Murphy	15.00	
S. F. Perry & Son	9.00	
W. D. Richards	6.00	
T. S. Swift	18.00	
A. A. Sylvia	6.00	
David Warren	14.00	101.00
Clerical Services:—		
E. D. Ashley	10.00	
Cooper Gaw	10.00	
Pardon B. Gifford	10.00	
Stephen Hafford, Jr.	5.00	
E. B. Jourdain	15.00	
Walter A. Myrick	10.00	
John N. O'Brien	10.00	
George W. Parker	5.00	
David M. Piper	10.00	
Walter H. B. Remington	10.00	
A. C. Sherman	22.80	
Peter F. Sullivan	10.00	
E. L. Tillinghast	5.00	132.80
Fitting voting places :—		
Benjamin C. Corbett	2.00	
Faunce & Johnson	70.28	
Patrick Featherstone	6.00	
A. P. Pope	71.60	149.88
Fuel:—		
City Coal Co.	3.71	
Albert W. Holmes	3.80	
John Notter	4.00	11.51
Pay of precinct officers:—		
Municipal election	594.00	
State election	596.00	1,190.00
Refreshments :—		
Albion T. Brownell	12.00	
E. B. Sherman & Co.	18.22	
William A. L. Smith	4.00	
F. H. Winship	4.54	38.76

Rents:—		
H. K. Haskins	60.00	
Lester I. Jenkins	50.00	110.00
Miscellaneous:—		
Allen's Express, charges	.25	
Briggs & Lawrence, chairs	2.55	
T. W. Chace & Co., iron posters	3.60	
C. S. & B. Cummings, matches	.20	
DeWolf & Vincent, hooks	.38	
John A. Gomley, carting	36.00	
W. A. Greenough & Co., directory	5.00	
Highways and Streets, carting	1.02	
N. B. Co-operative Express, charges	.15	
N. B. Gas & Edison Light Co., lighting	13.00	
E. F. Penney, use of stove	6.65	
A. D. Piper, services	2.00	
C. B. Piper, services	53.00	
D. M. Piper, services	4.00	
Mortimer Searles, stamp ribbons	.80	
So. Mass. Telephone Co., service	5.83	
Robert W. Taber, stationery	17.46	151.89
		$4,025.86
To transfer to balance		474.14
		$4,500.00

CR.

By appropriation	$4,500.00

ENGINEERING DEPARTMENT.

DR.

Pay rolls		$8,900.55
F. T. Akin & Co., painting	$27.50	
A. W. Allen, stock and labor	1.94	
Edwin Allen, express	.25	
Almy & Hitch, labor	2.00	
E. Anthony & Sons, Incorp., advertising	2.52	
A. V. Benoit, paper	2.40	

Bliss & Nye, brushes, etc.	3.14
John F. Borden, services	3.00
Charles O. Brightman, stock and labor	14.49
F. S. Brightman Co., stationery	9.45
William P. Briggs, stock and labor	3.30
Ira M. Chace, Jr., services	18.00
A. E. Coffin Press, printing	19.40
W. H. Collins & Co., binding	23.50
William Cronin & Co., leather	.75
C. S. & B. Cummings, supplies	4.10
C. F. Cushing, strap	.35
DeWolf & Vincent, hardware	1.45
Eugene Dietzgen & Co., instruments	3.15
Draper Mfg. Co., stationery	7.95
C. L. Dunham, axes	2.00
Franklin Mfg. Co., crayons	1.75
Frost & Adams Co., repairs and supplies	12.97
General Sewers, labor	34.30
Harriet H. Gilman, rent	810.83
Greene & Wood, stubs	5.25
Mary J. Halenan, bound stones	8.00
Hatch & Co., express	8.48
L. J. Hathaway, Jr., street numbers	.40
N. P. Hayes, figures	3.14
Highways and Streets, carting	11.46
H. S. Hutchinson & Co., stationery	1.11
F. M. Jenkins, mantles and chimneys	1.10
Perry P. Jenney & Son, labor	.20
J. S. Kelley & Son, labor	1.50
Keuffel & Esser Co., stationery, etc.	48.71
Kirby & Hicks, carriage hire	35.25
Library Bureau, index cards	9.00
Mercury Publishing Co., advertising	2.52
Mercury Publishing Co., stationery	13.86
James E. Moody, repairs	7.90
Moynan & Co., towels	1.50
N. B. Boiler & Machine Co., stock and labor	2.00
N. B. Co-operative Express, charges	.30
N. B. Gas & Edison Light Co., lighting	4.99
N. B. Gas & Edison Light Co., stock and labor	7.31
N. B. Ice Co., ice	28.60
N. B. Steam Laundry, laundry	4.50
N. Y., N. H. & H. R. R. Co., mileage book	20.00
S. F. Perry & Son, carriage hire	4.25

George D. Richards, cuspidor	.85	
F. H. Sargent, stock and labor	1.50	
C. R. Sherman & Son, stock and labor	.50	
E. G. Soltman, ink	1.25	
So. Mass. Telephone Co., service and tolls	56.09	
Spaulding Print Paper Co., stationery	14.65	
Sullivan & Markey, binding	2.00	
H. W. Taber & Co., photographs	2.00	
Robert W. Taber, stationery	30.12	
A. S. Tripp, boat hire	1.30	
Union Street Railway Co., car tickets	145.00	
Western Union Telegraph Co., service	4.86	
William F. Williams, City Engineer, office and traveling expenses	122.66	
C. F. Wing, furniture repairs	4.82	
George E. Winslow, repairs	2.60	
Wood, Brightman & Co., mantles and chimneys	.60	
Wyckoff, Seamans & Benedict, typewriter and supplies	88.35	1,720.97
		$10,621.52
To transfer to balance		.24
		$10,621.76

CR.

By appropriation	$10,000.00	
By transfer from "Unappropriated Funds"	621.76	$10,621.76

ENGINEERING DEPARTMENT — FOR THE INVESTIGATION OF THE TIDAL CURRENTS IN THE ACUSHNET RIVER AND CLARK'S COVE.

CR.

By transfer from "Unappropriated Funds"	$1,200.00

CR.

December 2, 1901. Balance	$1,200.00

FIRE DEPARTMENT.

Dr.

Salaries:—		
Frederick Macy, chief engineer	$1,500.00	
Edward F. Dahill, 1st assistant engineer	649.26	
James J. Donaghy, 2nd assistant engineer	300.00	
William A. Gibbs, 3rd assistant engineer	109.16	
William E. Watson, 3rd assistant engineer	190.83	
Robert Wolfenden, Jr., 4th ass't engineer	300.00	
Frederick B. Macy, clerk	200.04	$3,249.29
Pay rolls:—		
Permanent men		43,062.78
Protecting Society		150.00
Engine Co., No. 1	1,281.24	
" " No. 2	1,293.74	
" " No. 4	1,281.24	
" " No. 5	1,281.24	
" " No. 6	1,332.62	
" " No. 7	1,281.24	
" " No. 8	1,281.24	
" " No. 9	575.00	
Hook and Ladder Co., No. 1	1,272.50	
" " " " No. 2	1,272.50	
" " " " No. 3	1,160.00	
Hose Co., No. 2	630.00	
Chemical Engine Co., No. 1	412.50	14,355.06
Blacksmithing:—		
F. A. Bonneau	140.73	
N. H. Caswell	40.18	
Joseph Carpenter	26.10	
U. E. Collette	76.13	
H. L. Donaghy	84.16	
E. M. Durfee	135.80	
J. B. Farrell	50.11	
Fichtenmayer & Flynn	330.90	
N. T. Fuller	160.48	
A. E. Hathaway	144.70	
J. L. Luce	106.70	
E. L. Macomber	5.00	
E. B. Macy	117.68	
R. T. Refuse	27.10	
Julius C. Sylvia	35.63	1,481.40

Fuel:—		
H. T. Borden	2.25	
City Coal Co.	1,017.43	
David Duff & Son	30.51	
Denison Brothers Co.	12.28	
Albert W. Holmes	192.50	
Marston Coal Co.	153.23	
John N. O'Brien	5.00	
Timothy J. O'Brien	8.50	
Spencer's Wood Yard	3.50	1,425.20
Hay, grain, etc.:—		
Seth Alden	37.50	
William Baylies	1,394.20	
J. A. Bouvier	111.80	
David Brownell	6.00	
Joseph T. Brownell	37.87	
Pardon Cornell	181.41	
J. G. Davoll	10.00	
Denison-Plummer Co.	405.78	
James Hartley	44.63	
W. E. Hathaway	136.08	
E. Horvitz & Son	174.85	
S. L. Horvitz	44.00	
S. Horvitz & Co.	83.48	
Perry P. Jenney & Son	10.56	
W. A. Jenney	10.40	
Charles S. Kelley	413.97	
J. Frank Kirk	161.56	
Mortimer McCarthy	777.44	
John Notter	163.81	
Poor Department	315.60	
D. H. Potter	92.05	
John A. Viera	67.60	
Annie E. White	19.53	
Wilson & Wordell	32.00	
Samuel Wing	15.00	4,747.12
Harness and repairs:—		
Charles E. Berry	88.00	
William Cronin & Co.	229.62	
C. F. Cushing	4.20	
E. F. Dahill	10.62	
F. A. Frates	49.75	
George G. Huddy	22.10	
C. M. Perkins & Co.	10.50	414.79

Horse and carriage hire:—		
Isaac L. Ashley	18.25	
George A. Cobb	2.50	
James Duddy	4.00	
Charles S. Kelley	12.80	
Timothy Sheehan	5.00	
T. S. Swift	1.50	
F. P. Washburn	2.00	46.05
Repairs of fire stations:—		
F. T. Akin & Co.	12.78	
Babbitt, Wood & Co.	182.31	
George A. Bosworth	43.57	
L. J. Damon	320.54	
W. F. Desmond	8.50	
C. L. Dunham	101.00	
Greene & Wood	120.26	
Francis W. Hammond	113.87	
Kern & Wright	4.55	
S. C. Lowe	43.46	
J. L. G. Mason	47.56	
John J. Meaney	62.80	
T. J. Moriarty	32.16	
Fred S. Nelson	7.75	
William N. Nelson	60.51	
N. B. Boiler & Machine Co.	285.48	
N. B. Gas & Edison Light Co.	20.39	
Charles S. Paisler	.65	
E. F. Penney	214.95	
Martin H. Sullivan	90.86	
Charles Thompson	36.70	
Lettice R. Washburn & Son	21.68	
William R. West	12.18	
Wood, Brightman & Co.	6.17	1,850.68
Supplies:—		
Acushnet Iron Co., castings	19.31	
Francis T. Akin, paint and brushes	4.29	
American Steel & Wire Co., wire	60.00	
Henry K. Barnes, rings and stoppers	4.75	
J. A. & W. Bird Co., chamois	16.00	
James E. Blake, acid	3.20	
Bliss & Nye, dusters, brooms, etc	30.41	
Brightman Brothers, paints	5.53	
W. H. Caswell, paints	3.85	

N. P. Chase, ice	13.40	
George A. Cobb, oil and hardware	7.07	
C. S. & B. Cummings, soap and matches	6.15	
C. F. Cushing, brushes and grease	7.25	
W. E. Decrow, wire	10.00	
DeWolf & Vincent, hardware, etc.	34.36	
Driscol, Church & Hall, soap, soda, etc	116.25	
C. L. Dunham, cans and hardware	17.05	
Hathaway & Co., brush	.40	
Herbert E. Hammond, ice	9.80	
Hillman, Washburn & Co., cans and hardware	47.20	
India Alkali Works, savogran	7.35	
George Kirby, Jr., & Co , paint, etc.	7.61	
S. C. Lowe, hose and can	11.00	
P. Mahon, oil	2.50	
John McCullough, pipe	2.24	
National Sponge & Chamois Co., sponge	38.56	
N. B. Cordage Co., rope	8.66	
Packard Hardware Co., hardware and polish	44.33	
E F. Penney, cans	2.60	
Pope's Island Mfg. Co., castings	33.85	
W. A. Robinson & Co., oil	3.50	
Ruggles & Ellison, chamber furnishings	90.20	
C. R. Sherman & Son, brass	.50	
J. V. Spare Dry Goods Co., chamber furnishings	13.91	
J. V. Spare Dry Goods Co., drapery	19.21	
Charles H. Tripp, ice	9.70	
Wamsutta Mills, waste	11.20	
William R. West, paint, glass, etc.	15.18	
Wood, Brightman & Co., chimney and mantle	.50	
Alfred H. York, polish	6.00	744.87
Miscellaneous:—		
Edwin Allen, express	.40	
Almy & Hitch, flag repairs	6.50	
E. Anthony & Sons, printing	2.50	
E. Anthony & Sons, subscriptions	48.00	
Automatic Telephone Co., extensions	60.09	
H. P. Babson, horse medicine	42.00	
Henry K. Barnes, rubber blankets	141.00	
Henry K. Barnes, extinguisher	10.00	
Henry K. Barnes, hose and nozzle	560.00	

John B. Baylies, chairs	9.90
Abram Boomer, carriage trimming	5.60
F. A. Bonneau, wagon painting	70.00
F. S. Brightman Co., advertising	10.00
Briggs & Lawrence, mattresses	7.50
Daniel D. Briggs, disbursements	18.38
George H. Briggs, treasurer, church repairs	200.00
W. R. Brixey, wire cable	741.63
George L. Brownell, wagon repairs	43.58
Bullock & Waldron, horse medicine	3.40
Cornelius Callahan Co., hose	260.00
Cornelius Callahan Co., gate	70.00
A. E. Coffin Press, printing and binding	46.50
U. E. Collette, painting wagon	75.00
H. T. Corson, horse medicine	13.63
O. W. Cranston, services	11.99
Walter H. Darling, services	20.00
W. E. Decrow, fire alarm boxes	1,128.00
W. E. Decrow, register	65.00
D. H. & C. A. DeMornnville, freight and carting	.67
DeWolf & Vincent, stove	12.00
H. L. Donaghy, painting wagon	20.00
Frank M. Douglass, horse medicine	61.27
David Duff & Son, carting	1.50
Albert A. Dunlap, services	129.00
Foote, Pierson & Co., fuse protector	13.60
N. T. Fuller, painting wagon	153.64
C. A. Gray & Co., freight and carting	7.46
W. A. Greenough & Co., directory	2.50
T. M. Hart & Co., blocks	9.30
Hatch & Co., express	12.35
A. E. Hathaway, rent	120.00
L. J. Hathaway, wagon repairs	187.15
M. C. Healey & Co., horse medicine	15.14
C. L. Kenyon & Co., horse	275.00
LaFrance Fire Engine Co., smoke flues	250.00
C. H. & H. A. Lawton Co., horse medicine	12.88
L. A. Littlefield, plating	3.35
Frederick Macy, chief, disbursements	105.47
Frederick Macy, board of horse	300 00
Isaac A. Manchester, wrenches	4.50
Mercury Publishing Co., printing	9.00

Mercury Publishing Co., subscription	6.00	
N. B. Five Cents Savings Bank, rent	24.00	
N. B. Furniture Co., mattress	18.00	
N. B. Gas & Edison Light Co., lighting	614.39	
N. B. Rubber Co., hose	3.05	
N. B. Steam Carpet Beating Est., cleaning	23.36	
New Departure Bell Co., fire bell	18.00	
New Jersey Car Spring & Rubber Co., hose	65.88	
L. Z. Normandin, horse medicine	2.00	
Frank R. Pease, horse medicine	1.75	
E. H. Pierce, hose	9.50	
Poisson Brothers, drapery	13.28	
J. H. Shea, Jr., horse dentistry	63.00	
So. Mass. Telephone Co., service	333.96	
S. & L. Stanley Brothers, horses	400.00	
Henry C. Stoehr & Co., whips and clipper	43.75	
D. J. Sullivan, clock repairs	1.25	
M. V. Sylvia, M. D., services	36.00	
Robert W. Taber, advertising	10.00	
Robert W. Taber, stationery	3.46	
Edmond L. Wilde, services	50.00	
John S. Williams, whips and brushes	27.00	
C. F. Wing, house furnishings	56.58	
Edward E. Wright, flag	10.00	7,210.59
		$78,737.83
To transfer to balance		1.57
		$78,739.40

Cr.

By appropriation	$78,000.00	
Receipts as per Treasurer's reports	739.40	$78,739.40

FOURTH OF JULY CELEBRATION.

Dr.

Band concerts:—	
Briggs & Lawrence	$4.80
Charles R. Cornell	2.50
Gray & Sullivan	132.00
Hill's Band	132.00
New Bedford Band	132.00

A. P. Pope	24.50	
Reiter's National Band	16.00	$443.80
Bell ringing:—		
Lord Barker	5.00	
Henry Blanchette	2.50	
Nathan C. Briggs	2.50	
Judson A. Burt	2.50	
W. W. Guthrie	2.50	
James Harding	7.50	
E. M. L. Jackson	2.50	
Allen G. Mayhew	2.50	
John Michelson	2.50	
Joseph Pothier	2.50	
Gustavus L. Rau	5.00	
E. S. Robenolt	2.50	
Cornelius A. Webb	2.50	
W. H. Weston	2.50	45.00
Carriage hire:—		
S. Desautels	3.00	
Kirby & Hicks	3.00	
S. F. Perry & Son	10.00	16.00
Fireworks display:—		
Henry F. West	7.00	
Edward E. Wright	300.00	307.00
Hand engine muster:—		
E. Anthony & Sons, Incorp.	1.10	
Albion T. Brownell	30.00	
George A. Cobb	10.00	
L. F. Demoranville	5.00	
James Duddy	4.50	
R. S. Gorham	1.50	
Highways and Streets	10.00	
Joseph P. Kennedy	9.42	
C. H. Lawton, chairman, prizes	200.00	
Mercury Publishing Co.	5.78	
Edward M. Pierce	5.00	
Sherman & Habicht	2.50	
Wamsutta Stables	4.00	
F. P. Washburn	19.70	
Western Union Telegraph Co.	3.24	311.74
		$1,123.54
To transfer to balance		76.46
		$1,200.00

CR.

By special appropriation	$1,200.00

FREE PUBLIC LIBRARY.

DR.

Salaries and pay rolls:—		
Robert C. Ingraham, librarian	$581.25	
George H. Tripp, librarian	806.25	
Benjamin W. Pennock, ass't librarian	1,650.00	
Anna M. DeWolf, assistant	540.00	
Nellie C. Devoll "	53.50	
Florence E. Farwell "	224.00	
Susie H. Gammons "	539.50	
Etta F. Lawrence "	540.00	
Emma J. Merrick "	82.50	
Josephine A. Merrick "	540.00	
Florence E. Pierce "	289.00	
Clement L. Yaeger "	520.00	
Robert Allen, attendant	155.75	
Richard Ames "	49.00	
B. H. Humphries "	312.00	
Frank O'Connor "	125.00	
Richard Ames, janitor	28.50	
Yorick W. Ames "	728.00	
William G. Lamb, fireman	72.00	
Herbert Ames, page	87.50	
Alveric Bellenoit "	169.17	
Timothy J. Calnan "	101.50	
Leon M. Gifford "	161.00	
Clarence D. Leavitt "	21.00	
Henry McCarthy "	7.00	
James McCarthy "	70.00	
Charles E. Robinson "	16.33	
Robert E. Townsend "	3.50	
Fred D. Wood "	80.50	$8,553.75
Labor:—		
Richard Ames	42.00	
John W. Carter	38.00	
James Harper	40.00	

Frank Hill	40.00	
Charles Lightfoot	42.00	
William Nooth	38.00	
Harrison Seals	34.00	
John H. P. Warfield	34.00	
James Wiggins	34.00	342.00
Printing and binding:—		
E. Anthony & Sons, Incorp.	115.74	
F. Appolos Bradley	15.10	
A. E. Coffin Press	61.20	
W. H. Collins & Co.	928.90	
H. S. Hutchinson & Co.	390.57	
Mercury Publishing Co.	6.03	
Sullivan & Markey	247.85	1,765.39
Subscriptions:—		
George L. Briggs	339.85	
W. L. Greene & Co.	1.50	
Mercury Publishing Co.	12.00	
Henry H. Sampson	331.00	
Robert W. Taber	19.01	703.36
Miscellaneous:—		
Francis T. Akin, stock and labor	11.79	
E. Anthony & Sons, Incorp., advertising	17.22	
Ernest Arnold, photographs	5.70	
Briggs & Lawrence, repairs	3.25	
Coffin Brothers, paper boxes	10.00	
A. B. Crowell, frames	1.40	
Fratelli Alinari, photographs	21.85	
C. A. Gray & Co., freight and carting	1.66	
Library Bureau, index cards	33.75	
Mercury Publishing Co., advertising	13.47	
N. B. Gas & Edison Light Co., stock and labor	1.92	
John O'Neil, portrait and frame	48.00	
B. W. Pennock, carriage of books	100.00	
A. P. Pope & Co., stock and labor	120.11	
Stone & Downer, brokerage	18.52	
Suffolk Engraving Co., cut	22.00	
R. W. Taber, typewriter exchange	70.50	
George H. Tripp, carriage of books	10.00	511.14
		$11,875.94
To transfer to balance		124.36
		$12,000.00

CR.

By appropriation	$12,000.00

FREE PUBLIC LIBRARY—DOG FUND.

DR.

A. L. A. Publishing Board	$6.23	
Alinari Brothers	93.73	
Almy & Hitch	10.00	
E. Anthony & Sons, Incorp.	6.00	
Ernest Arnold	70.00	
Edmond E. Baudoin	4.50	
Boston Book Co.	5.00	
F. Appolos Bradley	10.95	
George L. Briggs	72.04	
Briggs & Lawrence	36.71	
Catholic Union Publishing Co.	1.00	
W. H. Collins & Co.	7.50	
A. B. Crowell	22.11	
The Cumulative Index Co.	5.00	
Daily L'Independant	6.00	
Jane F. Ingraham	250.00	
The Library Bureau	1,203.79	
Mercury Publishing Co.	13.18	
N. B. Gas & Edison Light Co.	13.70	
George R. Phillips	3.00	
So. Mass. Telephone Co.	36.00	
Robert W. Taber	3.00	
C. D. Waldron	1.00	$1,880.44
December 2, 1901. To balance		1,141.04
		$3,021.48

CR.

December 3, 1900. By balance	$1,565.44	
Receipts as per Treasurer's reports	1,456.04	$3,021.48

FREE PUBLIC LIBRARY TRUSTEES — JAMES B. CONGDON FUND.

Cr.

December 3, 1900. By balance	$97.66	
Receipts as per Treasurer's reports	30.00	$127.66

Cr.

December 2, 1901. By balance	$127.66

FREE PUBLIC LIBRARY TRUSTEES — GEORGE O. CROCKER FUND.

Dr.

George E. Littlefield	$186.04	
Francis P. Harper	6.75	
J. E. Mallmann	4.00	
George D. Moore	8.75	
New York Genealogical and Biographical Society	15.00	$224.54
December 2, 1901. To balance		517.26
		$737.80

Cr.

December 3, 1900. By balance	$337.80	
Receipts as per Treasurer's reports	400.00	$737.80

Cr.

December 2, 1901. By balance	$517.26

FREE PUBLIC LIBRARY TRUSTEES — OLIVER CROCKER FUND.

Cr.

December 3, 1900. By balance	$99.06	
Receipts as per Treasurer's reports	60.00	$159.06

Cr.

December 2, 1901. By balance	$159.06

FREE PUBLIC LIBRARY TRUSTEES — GEORGE HOWLAND, JR., FUND.

Dr.

George H. Polley & Co.	$26.00	
December 2, 1901. To balance	333.68	$359.68

Cr.

December 3, 1900. By balance	$263.68	
Receipts as per Treasurer's reports	96.00	$359.68

Cr.

December 2, 1901. By balance	$333.68

FREE PUBLIC LIBRARY TRUSTEES — SYLVIA ANN HOWLAND FUND.

Dr.

A. L. A. Publishing Board	$14.00
Gideon H. Allen	2.50
American Antiquarian Society	1.50
American Society for the Extension of University Teaching	2.00
American Statistical Association	2.00
Antiquarian Book Store	4.30
D. Appleton & Co.	64.80
Bancroft-Whitney Co.	24.00
Bangs & Co.	28.42
N. J. Bartlett & Co.	366.76
F. S. Blanchard Co.	3.00
Boston Book Co.	2.50

Boston Society of Natural History	1.50
R. R. Bowker	23.50
Burnham Antique Book Store	8.78
Burrows Brothers Co.	14.11
William J. Campbell	5.25
T. H. Castor & Co.	48.67
William A. Church	1.50
A. S. Clark	5.52
The Cumulative Index Co.	4.00
Damrell & Upham	11.30
The Dante Society	15.00
Dodd, Mead & Co.	2.55
Douglas & Foulis	8.12
The Drew Allis Co.	3.00
Dean Dudley	1.00
The Egypt Exploration Fund	22.50
William M. Emery	6.00
Harry Falkenau	1.04
L. S. Foster	4.50
Goodspeed's Book Shop	14.25
W. A. Greenough & Co.	8.50
Francis P. Harper	37.04
The Helman-Taylor Co.	11.00
John Hopkins Press	2.59
Walter S. Houghton	27.00
Houghton, Mifflin & Co.	9.00
The Huguenot Society of America	9.35
George P. Humphrey	1.50
George W. Humphrey	1.00
H. S. Hutchinson & Co.	687.82
Kimball Brothers	3.25
George T. King	8.00
Julius Kuhlmann	9.00
Niel Morris Ladd	2.00
James H. Lamb Co.	7.00
Charles Lauriat Co.	59.42
C. F. Libbie & Co.	3.75
Librarie Franco Americanie	3.00
Little, Brown & Co.	21.57
Joseph McDonough	29.50
The Macmillan Co.	6.63
The Massachusetts Historical Society	3.00
Isaac Mendoza	1.00
E. J. Moore & Co.	181.67

Noah Farnham Morrison	41.85	
George D. Morse	6.00	
Joel Munsell's Sons	20.70	
National Municipal League	3.00	
New England Historical Genealogical Society	10.00	
New Bedford Book Club	9.00	
The C. A. Nicholls Co.	5.00	
C. Pinchpank	1.88	
H. V. & H. W. Poor	20.00	
The Preston & Rounds Co.	7.50	
Bernard Quaritch	19.88	
Rand, McNally & Co.	3.00	
The Republican Society	1.00	
L. J. Richards	24.40	
Julius F. Sachse	5.00	
Sampson, Murdock & Co.	13.00	
John Skinner	.81	
G. E. Stechert	294.13	
Herbert S. Stone & Co.	2.50	
Robert W. Taber	684.37	
Thomas J. Taylor	17.50	
The University of Chicago	1.45	
D. Van Nostrand Co.	7.43	
William H. Walker	1.35	
A. Walsh	7.76	
The West Ham Public Libraries	2.76	
Henry Whittemore	2.10	
Henry P. Willis	4.50	
H. W. Wilson	16.50	
Charles L. Woodward	3.40	$3,089.23
December 2, 1901. To balance		1,186.15
		$4,275.38

Cr.

December 3, 1900. By balance	$1,275.38	
Receipts as per Treasurer's report	3,000.00	$4,275.38

Cr.

December 2, 1901. By balance	$1,186.15

FREE PUBLIC LIBRARY TRUSTEES—CHARLES W. MORGAN FUND.

Cr.

December 3, 1900. By balance	$106.24	
Receipts as per Treasurer's reports	60.00	$166.24

Cr.

December 2, 1901. By balance	$166.24

FREE PUBLIC LIBRARY TRUSTEES—CHARLES L. WOOD FUND.

Cr.

December 3, 1900. By balance	$128.18	
Receipts as per Treasurer's reports	80.00	$208.18

Cr.

December 2, 1901. By balance	$208.18

FREE PUBLIC LIBRARY TRUSTEES—READING ROOMS FUND.

Dr.

E. Anthony & Sons, Incorp., subscriptions	$12.00	
George L. Briggs, subscriptions	50.80	
Mercury Publishing Co., subscriptions	6.00	
N. B. Gas & Edison Light Co., lighting	180.46	
Robert W. Taber, subscriptions	12.00	$261.26
December 2, 1901. To balance		370.69
		$631.95

CR.

December 3, 1900.	By balance	$631.95

CR.

December 2, 1901.	By balance	$370.69

HIGHWAYS AND STREETS.

DR.

Pay rolls		$114,846.32
Crusher stone:—		
E. G. Akin	$2.24	
John E. Akin	44.97	
Henry C. Allen	407.00	
C. M. Andrews	117.08	
D. A. Anthony	278.04	
Nicholas Antone	15.27	
H. T. Ashley	84.81	
James M. Ashley	13.13	
Thomas J. Ashley	10.69	
John Ashton	64.43	
Edward Auger	4.44	
Henry Auger	10.19	
Automatic Telephone Co.	14.71	
J. V. Bancroft	3.86	
Henry Bartlett	26.32	
R. E. Bassett	30.74	
C. Bealieu	1.94	
Albert Benjamin	6.90	
Frank Bennett	16.48	
John Bertram	1.99	
Narcizo Bettencourt	22.48	
Narcizo D. Bettencourt	4.87	
J. W. Bishop	22.66	
Thomas Blecha	374.37	
Arthur Bonneau	21.49	
Jeremiah Bonneau	17.57	
Charles Booth	10.00	
George B. Borden	261.74	

L. T. Bouchard	260.71
Gilbert Bouchard	427.13
William Bourbo	244.81
David Bourgeois	.75
A. F. Bradford	55.25
Emma Brightman	28.05
William H. Brightman	7.10
William H. Brightman & Co.	62.34
Mrs. W. H. Brightman	67.50
C. T. Brownell	18.02
David Brownell	7.61
George Brownell	83.43
George L. Brownell	2.50
Lukas Brozek	7.94
Bulman & Benson	41.51
James Burke	31.31
Andrew Burns	5.88
Edward Burns	16.14
P. Carpenter	6.26
Edward H. Casey	52.70
N. P. Chase	67.24
Joseph Chausse	6.61
Philip Chicoine	220.56
Peter Choquette	12.96
George A. Cobb	22.82
George Coggeshall	119.35
John Connell	40.74
John Connors	87.97
Charles E. Cook	66.56
F. A. Corey	8.13
Edward Corneau	233.27
Joseph Corneau	87.66
Lindolf Costa	8.38
Eugene G. Crapo	430.54
Henry W. Cushman	16.28
Duffie Cusson	753.23
Dudley Davenport	20.42
John Davignon	186.66
Charles A. Davis	112.89
Giles H. Davis	12 46
James Davis	8.66
L. T. Davis	37.84
William Davis	5.70
George W. Dayton	33.66

Joseph De Costa	350.38
Lindolf De Costa	15.70
Joseph D. Gracia	145.29
L. F. Demoranville	5.42
Walter F. Demoranville	22.85
Alfred Denault	18.77
Alfred Denault, Jr.	12.21
Moses Denault	782.75
Peter Deslauriers	10.09
Charles Drowns	83.68
James Duddy	20.96
David Duff & Son	441.43
Arthur Dumaine	455.67
John Dunn	10.14
William W. Durfee	20.93
David Duval	328.49
John E. Dyer	16.19
William H. Edwards	46.44
W. P. Ellis	2.87
George M. Ennis	2.97
Domingo Enos	1.04
M. J. Fagundes	226.21
Henry Fateux	79.52
David Ferguson	41.12
Frank J. Fernandes	116.52
Manuel Figert	92.08
Sufrani Forant	28.56
Jack Foster	389.22
G. W. Fredette	22.52
H. J. Fredette	220.24
Joseph Fredette	12.21
Milton Frost	3.55
George A. Fuller	25.21
E. H. Gammons	541.44
Damas Gasse	11.93
Charles E. Gifford	26.47
Collins S. M. Gifford	5.12
C. T. W. Gifford	51.80
Lewis R. Gifford	29.58
D. Goodreau	273.16
Napoleon Gregoire	48.39
Peter Gregoire	50.58
David Grew	46.83
David Grew, Jr.	11.38

John Grew	2.95
George H. Hambly	74.14
Emery W. Hammond	41.50
Patrick Harding	98.33
Thomas Harding	23.66
Charles Haskell	12.51
C. E. Hathaway	101.38
George Hathaway	.75
John W. Hathaway	17.62
Joseph S. Hathaway	10.31
Warren A. Hathaway	5.37
Sylvanus Hawes	18.25
Thomas Hersom	.72
John W. Heys	22.97
John J. Howland	93.92
R. W. Howland	61.44
H. A. Jackson	.72
Paul Jacob	17.69
Joseph Jacinth	28.28
Joseph Jason	65.81
John B. Jean	8.70
Andrew F. Jenks	12.24
Jenney & Buffington	34.48
Peter Jocket	4.92
Edward E. Jones	55.67
Herbert F. Jones	69.23
A. Joubert	15.64
Edwin T. Judson	11.15
Thomas Kenney	4.51
William Kenney	16.82
Luke Kilcoine	48.54
Alfred King	17.82
Robert B. King	70.45
Kirby & Hicks	92.46
Frank Kopecke	49.10
Ferdinand Lafrance	9.38
Joseph Lafrance	78.09
Narcisse Lafrance	2.25
Herbert W. Lawrence	24.34
Russell S. Lawton	9.94
Henry Lagasse	10.30
Antone Lemos	51.56
Antone M. Lemos	106.61
Frank Lemos	122.32

Frank S. Lemos	23.59
Joseph Loiselle	7.24
Peter Loranger	21.11
Manuel Luce	170.71
William H. Lynch	92.35
Fred Macedo	.99
Charles Macomber	9.07
Charles A. Macomber	2.26
Leonard A. Macomber	30.32
William P. Macomber	146.80
John W. Manchester	182.79
Manuel J. Macy	531.43
Cailda Manet	2.21
Arthur Martel	162.11
Joseph Martin	27.92
Philias Masse	57.97
Antonio Matthews	17.47
F. F. Matthews	64.78
M. McCarthy	7.31
James C. McGoff	20.49
James F. McNamara	48.31
Antone Mello	51.68
Edward W. Morse	11.76
Charles H. Morton	26.14
Charles H. Mosher	30.12
H. A. Mosher	.73
Walter F. Mosher	98.54
Alonzo B. Negus	60.22
Benjamin Negus	73.20
Charles H. Negus	70.33
Joseph Noel	49.46
Lazare Noel	352.29
Joseph Normandin	71.47
George W. Norton	106.88
Patrick O'Leary	31.15
Jesse Oliver, Jr.	109.94
Charles Owen	142.38
Joseph Paulo	33.90
Reuben Peckham	57.75
Frank Pedro	2.63
Gilbert Pellant	2.69
Annie Perry	384.90
Frank Perry	5.63
Frank Perry & Co.	87.53

Henry F. Perry	24.72
James H. Peters	5.21
Joseph Peters	70.06
Charles B. Phillips	5.06
Thomas D. Phillips	13.89
Joseph P. Ponte	134.19
Isaac Poole	46.76
Joseph G. Rainville	25.20
Charles T. Reed	235.23
I. C. Reed	28.17
Edward Reynolds	76.65
John Riendeau	91.09
Oliver Rivet	281.85
Hubert Rocheleau	9.14
Abiatha Rogers	78.53
Joseph H. Rogers	97.76
Adolphus Rondeau	46.86
Ernest Rondeau	72.86
Prosper Rondeau	661.72
Antone Rosa	56.49
Joseph P. Rose	8.69
Louis Roy	21.56
John J. Ryan	21.83
Philip Sauville	261.38
Frank Schlais	20.54
Paul Schlais	74.10
John Sharples	20.71
Edward Shaw	17.32
Stephen E. Shaw	2.41
William Shepley	82.63
H. G. Sherman	35.88
John A. Smith	4.04
Hugh J. Smythe	9.49
Manuel Souza	23.18
Manuel M. Souza	15.62
Manuel B. Souza	13.84
Manuel P. Souza	148.22
Charles F. Spooner	156.55
E. S. Spooner	147.28
James L. Spooner	.70
John A. Spooner, 2nd	31.14
Henry St. Amend	13.88
Moses S. Stone	40.33
F. A. Stowell	28.44

Albert Strong	31.75
Benjamin S. Sturtevant	8.20
John B. Sullivan	1,471.11
John B. Sullivan & Son	6.92
Patrick Sweeney	125.35
Antone Sylvia	3.12
Antone J. Sylvia	28.54
Domingo Sylvia	12.92
Joseph B. Sylvia	197.76
Joseph J. Sylvia	6.28
Joseph S. Sylvia	96.82
Manuel D. Sylvia	178.95
Manuel F. Sylvia	8.54
Manuel G. Sylvia	8.96
Manuel L. Sylvia	184.91
Manuel V. Sylvia	21.91
William Sylvia	1.24
Arthur Tetrault	260.92
L. F. Thomas	6.15
Antone Traverse	11.08
Louis Tremblay	.89
Alexander A. Tripp	90.85
Ephraim B. Tripp	95.58
Gilbert Tromblay	9.06
S. J. Tucker	69.39
John H. Upham, 2nd	24.69
William O. T. Upham	76.60
Henry Vigeant	151.44
David Wainer	13 69
Lucy J. Wainer	16.98
Walter L. Wainer	10.99
David Warren	73.26
Benjamin F. Watkins	252.78
William Watling	33.17
Stephen V. Weaver	21.08
H. R. Weeks	13.32
S. S. Weeks	28.40
Clarence E. Westgate	13.04
Augustus White	52.00
Deborah A. Wilbur	234.57
George F. Wilbur	15.29
S. A. Wilbur	2.20
S. S. Wilbur	84.05
James H. Winslow	10.11

Wallace Woodsum	9.56	
David S. Wordell	6.44	23,521.30
Curbing and paving stones:—		
Henry C. Allen	2.28	
Henry T. Ashley	2.83	
Edward Auger	2.65	
Thomas Blecha	3.49	
George B. Borden	29.55	
Gilbert Bouchard	39.44	
Manuel R. M. Bragga	16.34	
William Bourbo	7.97	
John Connell	5.71	
Edward Corneau	20.78	
Joseph Corneau	2.78	
Eugene G. Crapo	20.80	
John Davignon	12.53	
Walter F. Demoranville	8.50	
Moses Denault	469.77	
M. J. Fagundes	7.46	
Henry Fauteux	12.50	
Edgar H. Gammons	85.26	
D. Goodreau	9.66	
Peter Gregoire	18.69	
Edgar W. Hammond	8.06	
Hastings Pavement Co.	2,566.67	
Thomas Hersom & Co.	41.79	
John W. Heys	5.91	
Joseph Jason	6.56	
Antone M. Lemos	16.11	
Joseph Martin	2.66	
J. F. McNamara	4.30	
Edward W. Morse	1.86	
S. S. Paine & Brother	4,508.90	
Reuben B. Peckham	17.24	
Henry F. Perry	67.63	
Edward Reynolds	9.79	
Abiatha Rogers	289.34	
Proper Roudeau	23.87	
Frank Schlais	8.65	
Charles F. Spooner	11.58	
John B. Sullivan	8,390.14	
Joseph S. Sylvia	5.70	
Gilbert Tremblay	7.74	
David Warren	22.96	
George F. Wilbur	3.60	16,800.05

Hardware and tools:—		
A. W. Allen	8.27	
George E. Allen	16.00	
Ames Plow Co.	51.81	
Babbitt, Wood & Co.	68.00	
Bliss & Nye	3.14	
Boston & Lockport Block Co.	36.86	
George W. Brady	36.28	
Charles W. Coggeshall	4.00	
Moses Denault	7.00	
DeWolf & Vincent	258.72	
W. Dickenson	5.00	
Fairbanks Co.	3.25	
N. T. Fuller	1.50	
H. Gore & Co.	100.00	
Hancock Inspirator Co.	14.00	
Jonathan Handy Co	448.27	
Harrisburg Foundry & Machine Works	36.00	
H. H. Harvey	22.28	
George E. Hatch	4.70	
N. P. Hayes	294.43	
Hillman, Washburn & Co.	29.99	
Improved Street Sweeper Co.	48.00	
Jeffrey Mfg. Co.	99.13	
Perry P. Jenney & Son	136.34	
O. S. Kelley Co.	31.60	
S. C. Lowe	326.38	
Isaac A. Manchester	4.50	
Menzies Street Cleaner Co.	17.50	
N. B. Cordage Co.	65.82	
S. S. Paine & Brother	1 00	
E. H. Pierce	41.25	
P. S. Poole	3.70	
Priest, Page & Co.	17.50	
George D. Richards	8 39	
Julian Scholl & Co.	5.50	
C. R. Sherman & Son	.60	
Nat P. Soule	12.00	
Taylor Iron & Steel Co.	667.51	
Frank S. Tripp	7.15	
A. H. Wordell	26.00	2,969.37
Labor and material:—		
A. W. Allen	3.98	
Almy & Hltch	4.90	

Edward W. Ashley	10.73	
Babbitt, Wood & Co.	200.33	
Blossom Bros.	11.90	
Charles O. Brightman	76.00	
George A. Cobb	1.50	
Frank W. Deane	7.56	
General Sewers	131.62	
George E. Hatch	110.40	
Perry P. Jenney & Son	32.95	
N. B. Boiler & Machine Co.	43.65	
N. B. Foundry & Machine Co.	62.99	
N. B. Gas & Edison Light Co.	2.43	
N. B. Water Works	39.90	
Philip S. Poole	13.84	
C. R. Sherman & Son	4.78	
Frank S. Tripp	540.40	
Warren Brothers Co.	14,419.83	
Joseph C. Warren	15.90	
Lettice R. Washburn & Son	9.80	
Herbert L. Weeks	18.11	
Wood, Brightman & Co.	57.76	15,821.26
Supplies:—		
Acushnet Iron Co.	17.42	
F. T. Akin & Co.	405.31	
American Engineering Co.	24.82	
Bates, Kirby & Co.	18.81	
Beach & Freiber Co.	48.00	
Blossom Brothers	67.46	
George B. Borden	49.70	
Henry M. Brett	25.92	
C. S. & B. Cummings	7.70	
Henry W. Cushman	6.77	
Jethro Delano	14.88	
Denison Brothers Co.	315.53	
Driscol, Church & Hall	4.00	
David Duff & Son	968.22	
Fairhaven Iron Foundry Co.	216.15	
Farrell Foundry & Machine Co.	5.75	
Frank E. Fitts Mfg. & Supply Co.	36.27	
Garlock Packing Co.	7.78	
Greene & Wood	69.01	
William M. Higham	97.00	
Albert W. Holmes	259.99	
Kimball, Harrington & Osborne	623.25	

George Kirby, Jr., & Co.	38.25	
Munson Supply Co.	3.50	
N. B. Ice Co.	28.62	
N. B. Gas & Edison Light Co.	1,457.25	
N. B. Boiler & Machine Co.	22.42	
William F. Nye	15.30	
S. S. Paine & Brother	1,705.82	
Charles S. Paisler	519.63	
A. W. Perkins & Co.	98.69	
E. H. Pierce	257.73	
Slocum & Kilburn	6.10	
Standard Oil Co.	257.09	
J. C. Storey & Co.	547.27	
Sultar Co.	23.02	
Viscol Co.	6.50	
Warren Brothers Co.	33.75	
William R. West	129.95	
Wood, Brightman & Co.	26.98	8,467.61
Teaming:—		
Seth Alden	105.08	
Henry T. Allen	95.70	
A. L. Austin	1.27	
H. P. Babson	16.00	
William Baylies	2,199.46	
F. A. Bonneau	3.24	
Joseph Carpenter	.50	
Church & Hammond	12.11	
George A. Cobb	16.05	
Pardon Cornell	1,119.96	
William Cronin & Co.	362.75	
J. G. Davoll	109.30	
Denison-Plummer Co.	1,124.68	
Henry H. Dews	142.00	
Driscol, Church & Hall	.45	
David Duff & Son	12.27	
Fichtenmayer & Flynn	27.76	
J. N. Gage	143.85	
H. B. Hamilton	5.50	
T. M. Hart & Co.	36.77	
A. E. Hathaway	453.50	
L. J. Hathaway	103.50	
W. E. Hathaway	243.40	
George G. Huddy	128.30	
James A. Jay	12.11	

Perry P. Jenney & Son	126.99	
W. A. Jenney	139.17	
C. L. Kenyon & Co.	340.00	
J. Frank Kirk	1,108.67	
Kirby & Hicks	310.06	
S. C. Lowe	225.00	
Lynn Oil Co.	12.00	
Mortimer McCarthy	376.15	
A. W. Perkins & Co.	3.25	
Wilson & Wordell	13.00	9,129.80
Miscellaneous:—		
E. Anthony & Sons, Incorp., advertising	27.50	
E. Anthony & Sons, Incorp., subscription	6.00	
Charles S. Ashley, mayor, chairman, expenses	25 00	
Isaac L. Ashley, carriage hire	17.00	
Mary Ashley, gravel	17.76	
Automatic Telephone Co., rentals	13.50	
Bartlett Farm, loam	5.00	
Willard B. Bennett, labor	1.80	
P. Black, labor	2.67	
Horace Borden, car fares	1.30	
John F. Borden, appraisal	3.00	
Briggs & Lawrence, shades	25.00	
F. S. Brightman Co., books and stationery	24.75	
Albion T. Brownell, dinners	2.70	
T. S. Buck, rubber stamps	2.11	
J. M. Burgess, land rent	24.00	
George A. Cobb, loam	1.20	
A. E. Coffin Press, printing	122.75	
W. H. Collins & Co., paper	4.90	
Samuel H. Cook, boiler insurance	50.00	
William S. Cook, cash for stamps	70.00	
Charles R. Cornell, carriage hire	3.00	
Thomas W. Croacher, lumber	17.86	
Daily L'Independant, advertising	5.60	
A. T. Davis, master, freight	290.19	
Department of Wharves, storage	376.00	
S. Desautels, carriage hire	6.00	
J. Wilcox Ellis, fire extinguishers	29.25	
The Fairbanks Co., weigh books	5.00	
Elzeard Fournier, lumber	14.63	
Frost & Adams Co., tapes	9.28	
Harriet H. Gilman, rent and light	1,070.47	

N. H. Greene, car fares	1.10
W. A. Greenough, directories	5.00
James B. Hamlin, sawing	3.64
T. M. Hart & Co., duck and twine	22.02
Hatch & Co , express charges	15.05
E. Howard Clock Co., clock dials	6.00
Samuel C. Hunt, appraisal	10.00
J. S. Kelley & Son, clocks	2.75
Kirby & Hicks, carriage hire	13.50
Antone Krauze, gravel	24.00
C. F. Lawton, superintendent, expenses	62.70
Antone Lemos, crossing privilege	10.00
Mercury Publishing Co , advertising and printing	27.07
Mercury Publishing Co., subscription	6.00
Municipal Journal and Engineer, subscription	3.00
N. B. Gas & Edison Light Co., light and power	227.84
N. B. Steam Carpet Beating Est., cleaning	2.97
New England Cotton Yarn Co., land rent	75.00
N. Y., N. H. & H. R. R. Co., freight	108.30
Thomas J. Horton, car fares	5.15
George H. Nye, photographs	10.00
Willard Nye, dirt and gravel	52.56
John N. O'Brien, sealing scales	1.21
John O'Neil, photographs	12.00
E. F. Packard & Co., wire fence	152.40
Park Commission, planting trees	44.07
Benjamin F. Penney, rebate	7.80
S. F. Perry & Son, carriage hire	5.00
A. D. Piper, washing towels	6.10
C. B. Piper, cleaning	2.00
J. C. da S. Pitta, M. D., services	24.00
C. G. &. G. A. Randall, lumber	107.96
W. H. Rankin, labor	29.60
Sanders & Barrows Clothing Co., uniforms	17.00
So. Mass. Telephone Co., service and tolls	9.81
Abbott P. Smith, land rent	100.00
Sullivan & Markey, time books	118.00
D. J. Sullivan, clock repairs	15.00
M. V. Sylvia, M. D., services	91.00
A. T. Storey & Co., maple trees	463.50
R. W. Taber, books and stationery	113.41

Wamsutta Stables, carriage hire	22.50	
Joseph C. Warren, appraisal	10.00	
H. L. Watson, expert, expenses	88.50	
H. N. Westgate, land rent	25.00	
Arthur Wheaton, rebate	1.28	
James Wiggins, cleaning	3.00	
C. F. Wing, use of water	5.00	
C. E. Woodworth, clock repairs	1.25	
Wyckoff, Seamans & Benedict, ribbons	4.25	4,449.51
		$196,005.22

CR.

By appropriation	$60,830.00	
By special appropriations	94,170.00	
Receipts as per Treasurer's reports	36,924.24	
By transfer from "Sewer, David street"	250.00	
By transfer from "Sewer, Jenney Lind street"	1,000.00	
By transfer from "Sewer, Allen street"	500.00	
By transfer from "Sewer, Adams street"	250.00	
By transfer from "Coggeshall Street Bridge"	200.00	$194,124.24
Transfer to balance		$1,880.98
		$196,005.22

INCIDENTALS.

DR.

Advertising:—		
E. Anthony & Sons, Incorp.	$291.37	
Catholic Union Publishing Co.	157.75	
Daily L'Independant	113.90	
Mercury Publishing Co.	307.87	
Weekly Herald	46.39	$917.28
Birth and death returns:—		
D. S. Belanger	10.25	
Robert G. Bennett	47.00	
M. J. Brown	1.25	
William E. Brownell	4.25	
Laurana A. Chubbuck	1.50	

C. F. Connor	1.25
Mary Cooper	6.75
Mary Delfina	6.25
A. Desautels'	43.75
Sylvester E. Donovan	19.25
H. L. Dwight	2.75
Sarah Edelstein	4.75
Louisa A. Ellis	.25
Mary A. Flitcroft	2 00
J. E. Fortin	31.25
Joseph A. Frazier	9.00
Mary A. Frates	7.00
Vital Girard	14.25
Emilie Guba	1.00
Sarah Hope	1.25
Charles R. Hunt	3.75
Jean B. Jean	19.00
Mary J. Kidd	1.00
A. P. Lagasse	6.50
Lagasse & Dubois	11.75
Daniel B. Leonard	395.50
Milton H. Leonard	51.00
C. F. Lussier	29.75
Margaret A. Mann	1.50
John E. Moriarty	6.50
T. J. Murphy	12.00
W. J. Nickerson	2.25
Alphonse Normandin	27.50
Louis Z. Normandin	75.75
C. D. Noyes	3.00
A. Martin Pierce	22.75
Joao C. da S. Pitta	14.75
J. C. Pothier	12.00
William G. Potter	3.25
C. A. Pratt	6.00
A. E. Richards	28.50
John Rogers	29.00
J. C. Shaw	3.50
Sarah Simansky	3.00
Simeon Simansky	7 25
Ada Spade	.50
J. P. St. Germain	3.50
St. Luke's Hospital	3.75
J. D. Sullivan	40.75

I. N. Tilden	1.25	
J. V. Thuot	36.50	
W. C. Vaughan, Jr.	69.50	
A. P. Webber	8.25	
Helen W. Webster	7.75	
J. Frank Weeks	3.00	
Joseph S. Williams	44.00	
E. T. Wilson & Son	142.00	1,352.50
Carriage hire:—		
Isaac L. Ashley	93.75	
S. Desautels	3.00	
Kirby & Hicks	400.80	
S. F. Perry & Son	22.50	
Wamsutta Stables	504.50	1,024.55
Clerical services:—		
William J. Abrams	70.00	
Emma M. Almy	5.00	
Edward T. Bannon	41.25	
Susan E. R. Butts	50.00	
John H. Finnell	113.75	
George H. Freeman	317.50	
H. A. Gifford, Jr.	17.50	
Elizabeth B. Hathaway	520.00	
Roland A. Leonard	63.75	
William T. Loughlin	65.00	
Walter P. Morton	78.75	
Florance A. Murphy	780.00	
Walter R. Myrick	15.00	
George W. Parker	944.50	
Edmund A. Reed	785.00	
Henry C. Russell	61.25	
A. C. Sherman	93.11	
Ruth S. Sherman	1,036.00	
Arthur C. Spooner	924.00	
Louis W. Stedman	17.50	
Edwin L. Tillinghast	936.00	
Charles C. Tilton	58.75	
William B. Topham	452.25	
Charles A. Tuell	62.50	7,508.36
Damages and legal expenses:—		
George W. Anderson	550.00	
Benjamin B. Barney	269.56	
Mrs. S. Brierly	25.00	

F. S. Brightman	10.00	
Job Chace	4.50	
Thomas F. Desmond	11,500.00	
Lemuel LeB. Holmes	250.00	
Armidas L'homme	150.00	
Jennie C. Nye	25.00	
W. R. Spooner	90.40	12,874.46
Delivery of tax bills and summons:—		
William J. Abrams	60.00	
Charles B. Allen	2.50	
George R. Deane	22.50	
John N. Dennis	17.50	
John H. Finnell	67.50	
Humphrey A. Gifford, Jr.	12.50	
Edward B. Gray	12.50	
Frank M. Hamlin	15.00	
B. F. Hathaway, Jr.	10.00	
Roland A. Leonard	12.50	
C. J. B. Loiselle	21.25	
William T. Loughlin	12.50	
John B. Lowney	17.50	
Walter P. Morton	27.50	
John E. Murphy	28.75	
Walter R. Myrick	22.50	
Crawford S. Pierce	15.00	
Albert H. Rooks	15.00	
Henry C. Russell	15.00	
Manuel J. Senna	15.00	
Arthur C. Spooner	.30	
Louis W. Stedman	15.00	
William B. Topham	21.00	
George R. Young	12.50	471 30
Fuel and lighting:—		
Merton B. Ashley	20.37	
City Coal Co.	487.60	
Albert W. Holmes	557.07	
F. M. Jenkins	1.45	
N. B. Gas & Edison Light Co.	3,458.24	
John N. O'Brien	5.50	4,530.23
Janitors and watchmen :—		
William G. Lamb	780.00	
Joseph Mather	340.00	
Cornelius B. Piper	102.00	

David M. Piper	676.00	
James H. Sullivan	388.00	
James Wiggin	16.00	2,302.00
Janitor supplies:—		
Bliss & Nye	3.00	
Chadwick & Co.	6.60	
Church & Hammond	2.85	
Harry M. Church	1.50	
William Cronin & Co.	3.50	
C. S. & B. Cummings	.07	
F. M. Douglass	1.50	
E. M. Durfee	.50	
C. L. Dunham	3.50	
India Alkali Works	18.61	
N. B. Ice Co.	136.93	
Phinotas Chemical Co.	53.00	
E. H. Pierce	.15	
George D. Richards	174.00	
Sultar Co.	15.42	421.13
Newspapers and periodicals:—		
Gideon H. Allen	2.50	
E. Anthony & Sons	42.00	
F. S. Blanchard & Co.	6.00	
Boston Daily Advertiser	6.00	
George L. Briggs	18.50	
Mercury Publishing Co.	24.00	
Municipal Journal and Engineer	6.00	105.00
Personal and special services:—		
Board of Assessors, on tax bills	75.00	
Charles Henry Davis Engineering, experts	1,141.40	
John W. Footman, minute guns	90.00	
Philip H. King, driver	187.50	
Charles F. Lawton, city forester	100.00	
Arthur T. Lovell, reporting	1,157.45	
D. H. O'Brien, assistant city sealer	252.50	
Henry T. Phillips, storage of coal	15.00	
A. D. Piper, affidavits	5.50	
D. M. Piper, messenger to Common Council	30.00	
Arthur C. Spooner, constable	3.00	
G. H. Spooner, wire expert	21.00	
Peter F. Sullivan, teller	52.50	3,130.85

Rents:—		
Bates & Kirby	180.00	
Harriet H. Gilman	449.50	
N. B. Safe Deposit & Trust Co.	25.00	
N. Y., N. H. & H. R. R. Co.	200.00	
Merchants National Bank	308.04	
North Congregational Church	60.00	
Wilcox & Richmond Wharf Co.	300.00	1,522.54
Stock and labor:—		
F. T. Akin & Co.	1.71	
Almy & Hitch	33.75	
D. C. Ashley	47.90	
C. Baylies	3.75	
W. P. Briggs	7.60	
C. L. Dunham	2.30	
W. L. Kelley	3.00	
T. J. Moriarty	9.01	
A. P. Pope	96.30	
C. R. Sherman & Son	.90	
L. R. Washburn & Son	.35	206.57
Miscellaneous:—		
Almy & Hitch, draping	50.00	
Charles S. Ashley, mayor, committee and traveling expenses	154.50	
Daniel C. Ashley, inspector, allowance for office expenses and clerical assistance	300.00	
Automatic Telephone Co., rentals	45.09	
William A. Baker, committing truants	9.89	
J. V. Bancroft, sprinkling	413.00	
H. C. Bolles, typewriter	87.75	
Joseph Bonneau, teaming	145.00	
Briggs & Lawrence, furniture and repairs	12.25	
Bristol County, board of truants	622.66	
Bristol County House of Correction, board	15.60	
Albion T. Brownell, board, etc.	23.30	
T. S. Buck, rubber stamps	9.90	
Wilson R. Butler, expenses	32.70	
City Treasurer, refreshments	10.25	
City Treasurer, stamps	5.56	
Samuel H. Cook, disbursements	1.48	
Charles H. Cragen, use of boat	52.00	
William Cronin & Co., socket and case	10.75	
C. S. & B. Cummings, supplies	7.00	

J. S. Daggett & Co , currency detector	1.00
Henry H. Davis, repairs	.85
Daus Apparatus Co., duplicator	5.00
DeWolf & Vincent, hardware sundries	1.85
C. L. Dunham, hardware and tools	8.75
Fidelity & Deposit Co. of Maryland, bonds	310.00
Gaylord Meter Inspection Co., services	10.50
Harriet H. Gilman, water	22.00
C. A. Gray & Co., freight and carting	1.11
George G. Hall, entertainment of committees	217.45
Handy Co., telephone indexes	2.00
Haskell & Tripp, drapery and flag	119.68
Hatch & Co., express charges	4.85
Charles R. Hathaway, expenses	3.10
J. H. Hathaway, stamps	.47
N. P. Hayes, hardware	.80
G. H. Hedge, chairman, expenses of special committee	9.55
Highways and Streets, carting	.57
Highways and Streets, trimming trees	1,478.82
Henry P. Jenney, chairman, expenses of committee	34.66
C. J. Jones, disbursements	7.50
League of American Municipalities, membership fee	40.00
D. B. Leonard, city clerk, office expenses	190.75
R. A. Leonard, key	1.00
R. H. Lufkin, map	1.80
Mechanics' National Bank, charges	19.40
Mercury Publishing Co., special printing	299.87
F. S. Monroe, typewriting	1.00
National Bank of Commonwealth, commissions	15.00
N. B. Co-operative Express Co., charges	27.00
N. B. C. B. Establishment, cleaning carpets	3.87
N. B. Product Co., collecting garbage	140.00
N. Y., N. H. & H. R. R. Co., mileage books	140.00
John N. O'Brien, city sealer, special ink	11.10
John N. O'Brien, city sealer, teaming	252.00
W. M. Olin, secretary, postage	1.00
D. L. Parker, P. M., stamped paper	156.10
F. H. Peckham, carting	6.00
William Peirce, plant decorations	25.00

A. D. Piper, laundry	52.80	
A. D. Piper, care mayor's office	48.00	
D. M. Piper, care City Hall	25.50	
Pneumatic Stamp Co., hand stamp	1.85	
Providence Ideal Co., ventilators	13.50	
George B. Richmond, recording deeds	6.10	
Rogers & Manson, book	5.00	
Mortimer Searles, stamps and ink	9.25	
E. B. Sherman & Co., refreshments	12.50	
James Slater, decorating	150.00	
F. R. Slocum Co., furniture and repairs	85.90	
Henry Smith, committing truants	12.60	
Smith Premier Co., typewriter	65.75	
So. Mass. Telephone Co., service and tolls	283.01	
Robert W. Taber, paper	7.24	
G. W. Tebbetts, pens	.65	
Joseph G. Tirrell, photographs	4.20	
Union Street Railway Co., car tickets	103.00	
Union Street Railway Co., special car	10.00	
Wamsutta Club, entertainment	99.78	
A. Washburn, telephone index	1.00	
Western Union Telegraph Co., sounder service	30.00	
Western Union Telegraph Co., telegrams	7.83	
W. F. Williams, city engineer, special traveling and committee expenses	42.68	
Wyckoff, Seamans & Benedict, typewriter, furniture and book	268.25	
Yale & Towne Mfg. Co., care of time lock	15.00	6,941.47
		$43,308.24

Cr.

By appropriation	$30,000.00	
By special appropriation	12,000.00	
Receipts as per Treasurer's reports	.75	
By transfer to balance	1,307.49	$43,308.24

INCIDENTALS—MEMORIAL DAY.

Dr.

Acushnet Iron Co., stubs	$9.00
E. Anthony & Sons, advertising and printing	56.95

Briggs & Lawrence, chairs	3.70	
A. R. Caswell, barges	20.00	
E. H. Chamberlin, flowers	3.00	
I. R. Cornish & Son, rent	10.00	
Cumberland Naval Veterans' Association	50.00	
Edward G. Davis, baskets	75.00	
Charles Dowden, services	6.73	
J. B. Farrell, labor	2.00	
T. J. Gifford & Co., labor and carting	31.00	
Gray & Sullivan, band services	110.00	
Aaron C. Joseph, moss	9.00	
John H. Lawrence, marshal, disbursements	7.43	
Mercury Publishing Co., advertising and printing	54.69	
New Bedford Band, services	110.00	
Easton Y. Peirce, flowers	51.00	
James Slater, decorations	15.00	
J. V. Spare, baskets	22.00	
Union National Band, services	80.00	
Union Street Railway, transportation	28.00	
Union Veteran Legion, No 10	50.00	
Edward E. Wright, flags	42.50	$847.00
To transfer to balance		3.00
		$850.00

Cr.

By transfer from "Unappropriated Funds"	$850.00

LAND DAMAGES AND OTHER EXPENSES IN WIDENING ACUSHNET AVENUE FROM HOWARD AVENUE TO BELLEVILLE AVENUE, No. 3.

Dr.

To transfer to balance	$235.00

Cr.

December 3, 1900. By balance	$235.00

LAND DAMAGES AND OTHER EXPENSES IN WIDENING ACUSHNET AVENUE FROM HOWARD AVENUE TO LUND'S CORNER.

DR.

Pay rolls, labor		$833 69
Land damages:—		
Gilbert B. Borden	$192.05	
Amelia G. Carr	139.98	
Hattie F. Cobb	48.40	
George A. Cobb	349.76	
Charles E. Howland	203.11	
Lydia S. Jenney	90.50	
Elizabeth P. Paige	124.67	
Edward C. Taber	565.22	1,713.69
Miscellaneous:—		
John F. Borden, services	3.00	
Highways and Streets, stock, labor and teaming	118.87	121.87
		$2,669.25
December 2, 1901. To balance		3,044.75
		$5,714.00

CR.

By special appropriation	$5,714.00

CR.

December 2, 1901. By balance	$3,044.75

LAND DAMAGES AND OTHER EXPENSES IN WIDENING KEMPTON STREET.

DR.

Pay rolls, labor		$97.64
Lucretia Coward, damages	$800.00	
Highways and Streets, stock, labor and teaming	1,202.36	2,002.36
		$2,100.00

Cr.

By special appropriation	$800.00	
By transfer from "Unappropriated Funds"	1,300.00	$2,100.00

LAND DAMAGES — WIDENING SOUTH SECOND STREET, BETWEEN BLACKMER AND RIVET STREETS.

Dr.

Potomska Mills Corporation, land	$1,843.80	
Transfer to account "Schoolhouse lot, Blackmer street"	32.40	$1,876.20

Cr.

December 3, 1900. By balance	$1,876.20

LICENSE COMMISSION.

Dr.

E. Anthony & Sons, Incorp., advertising	$73.95	
A. E. Coffin Press, printing	52.75	
W. H. Collins & Co., ruling	2.00	
I. B. Maxfield, clerical services	313.00	
I. B. Maxfield, disbursements	.50	
Mercury Publishing Co., advertising	40.35	
Mercury Publishing Co., printing	17.10	
Mercury Publishing Co., subscription	6.00	
C. H. Murphy, hacking	5.00	
S. F. Perry & Son, hacking	18.00	
F. M. Sparrow, chairman, office expenses	9.60	$538.25
Transfer to balance		461.75
		$1,000.00

Cr.

By appropriation	$1,000.00

LIGHTING THE STREETS.

Dr.

Acushnet Iron Co., gas lamp posts	248.00	
Globe Gas Light Co., naphtha lights	12,391.87	
N. B. Gas & Edison Light Co., electric arc lights	24,935.85	
N. B. Gas & Edison Light Co., electric incandescent lights	1,506.13	
N. B. Gas & Edison Light Co., gas lights	13,087.92	
N. B. Gas & Edison Light Co., service and fitting	168.00	$52,337.77
To transfer to balance		2,662.23
		$55,000.00

Cr.

By appropriation	$55,000.00

NEW BEDFORD SCHOOL COMMITTEE.

"HOWLAND FUND."

Dr.

American Book Co.	$61.10
D. Appleton & Co.	11.25
Asa L. H. Allen	2.00
Edward E. Babb	27.01
Boston School Supply Co.	12.50
C. W. Bardeen	3.37
Wilson R. Butler	2.00
The Century Co.	20.00
S. E. Cassino	4.00
T. H. Castor & Co.	2.81
William B. Clark & Co.	3.92
P. P. Caproni & Bro.	15.30
A. B. Crowell	99.03
Directors of Old South Work	5.00
Educational Publishing Co.	50.51

Ginn & Co.	221.70	
Grumiaur's Newspaper Agency	2.60	
George S. Gardner & Co.	35.00	
H. S. Hutchinson & Co.	64.84	
Houghton, Miffin & Co.	58.20	
D. C. Heath & Co.	80.07	
J. L. Hammett Co.	46.80	
John C. Haynes & Co.	11.35	
Hillman, Washburn & Co.	7.36	
Mary L. Hillman	10.00	
N. P. Hayes	5.85	
Haskell & Tripp	.90	
Ideal Busy Work Co.	8.67	
Catherine F. Johnson	15.00	
W. W. Kimball & Co.	325.00	
Keystone View Co.	105.00	
E. L. Kellogg & Co.	1.81	
Lothrop Publishing Co.	1.24	
Longmans, Green & Co.	58.96	
Lee & Shepard	50.63	
J. B. Lippincott Co.	2.00	
The Morse Co.	47.77	
Perry Mason & Co.	82.02	
The McKinley Publishing Co.	19.20	
New England Publishing Co.	5.00	
George Peirce	408.00	
Prang Educational Co.	4.75	
Wm. H. Pierce & Co.	86.40	
George S. Perry & Co.	346.82	
Ruggles & Ellison	6.97	
Silver, Burdett & Co.	67.61	
Charles Scribner's Sons	13.92	
R. A. Sherman & Son	28.92	
Thomas M. St. John	1.00	
Thomas R. Shewell & Co.	2.89	
D. J. Sullivan	300.00	
Sullivan & Markey	36.17	
Robert W. Taber	34.80	
Thompson, Brown & Co.	1.88	
Ada W. Tillinghast	2.00	
H. C. Tunison	1.10	
William H. Walker	3.00	$2,933.00
December 2, 1901. To balance		630.76
		$3,563.76

Cr.

December 3, 1900. By balance	$563.76	
Receipts as per Treasurer's reports	3,000.00	$3,563.76

Cr.

December 2, 1901. By balance	$630.76

NEW BEDFORD SCHOOL COMMITTEE.

"JONATHAN BOURNE PRIZE FUND."

Dr.

William E. Hatch, superintendent, disbursements	$60.00

Cr.

Receipts as per Treasurer's reports	$60.00

NEW BEDFORD WATER WORKS.

Dr.

To expenditures as certified by the New Bedford Water Board	$121,556.82	
December 2, 1901. Balance	11,368.74	$132,925.56

Cr.

December 3, 1900. By balance	$5,795.02	
By appropriation	12,000.00	
Receipts as per Treasurer's reports	115,130.54	$132,925.56

Cr.

December 2, 1901. By balance	$11,368.74

NEW BEDFORD WATER WORKS — FURTHER WATER SUPPLY.

Dr.

To expenditures as certified by the New Bedford Water Board		$13,568.74	
December 2, 1901.	Balance	$3,322.14	$16,890.88

Cr.

December 3, 1900.	By balance	$16,890.88

Cr.

December 2, 1901.	By balance	$3,322.14

PARK COMMISSION.

Dr.

Pay rolls		$14,319.45
Animal supplies:—		
John H. Andrews	$2.18	
William Baylies	9.87	
Braley & Brownell	321.07	
Joseph Breck and Sons Corporation	16.65	
Denison-Plummer Co.	6.87	
Driscol, Church & Hall	5.35	
H. J. Fredette	226.44	
John Notter	25.10	
Isaac C. Sherman & Son	161.41	
E. C. Taber	288.05	
W. H. Winslow	2.25	1,065.24
Hardware and tools:—		
Ames Plow Co.	27.08	
Bliss & Nye	8.48	
Coggeshall, Maxfield & Co.	3.00	
DeWolf & Vincent	40.12	
H. L. Donaghy	9.48	

Jonathan Handy Co.	1.94	
Hathaway & Co.	1.80	
N. P. Hayes	68.28	
Perry P. Jenney & Son	35.02	
N. B. Cordage Co.	19.60	
N. B. Rubber Co.	52.00	
George D. Richards	4.79	
Nat. P. Sowle	4.55	
Wilson & Wordell	20.00	
A. H. Wordell	7.50	303.64
Labor and material:—		
F. T. Akin & Co.	2.29	
Almy & Hitch	.90	
George W. Bennett	17.92	
Peter Black	29.19	
Blossom Brothers	13.75	
C. O. Brightman	282.22	
T. W. Chase & Co.	11.35	
William Cronin & Co.	3.00	
E. M. Durfee	7.65	
George E. Hatch	27.30	
D. L. Hathaway & Son	171.66	
Highways and Streets	220.48	
N. B. Water Works	239.53	
J. H. Sherman	13.30	
B. S. Sturtevant	1,774.74	
William F. Sturtevant	161.91	
Herbert L. Weeks	30.95	
Wood, Brightman & Co.	22.09	3,030.23
Plants, seeds and shrubs:—		
William S. Brown	163.50	
Dipple Brothers	3.55	
R. & J. Farquhar & Co.	1.25	
Peter Henderson & Co.	10.58	
L. C. Holton	32.00	
Lewis Brothers	196.50	
Richard Nofftz	5.00	
William Peirce	17.60	
Frederick Roemer	19.80	
Segers Brothers	124.00	
A. T. Storey & Co.	40.00	
J. M. Thorburn & Co.	63.50	
J. C. Vaughan	8.85	

M. H. Walsh	40.50	
Wilson & Wordell	20.64	
R. H. Woodhouse	50.00	
A. H. Wordell	4.67	801.94
Supplies:—		
F. T. Akin & Co.	16.62	
William H. Caswell	4.17	
William H. Chappell	1.20	
C. S. & B. Cummings	22.50	
F. M. Douglass	18.60	
David Duff & Son	150.16	
T. M. Hart & Co.	.42	
N. P. Hayes	9.50	
William M. Higham	15.50	
India Alkali Works	6.96	
B. S. Jenkins	2.76	
S. S. Paine & Brother	172.72	
A. W. Perkins & Co.	16.35	
E. H. Pierce	.27	437.73
Miscellaneous:—		
E. Anthony & Sons, Incorp., advertising	2.55	
Isaac L. Ashley, carriage hire	5.00	
J. V. Bancroft, sprinkling	96.00	
William Bartels, swans	50.00	
Clara Bennett, rent	300.00	
Blair Sign Co., banners and signs	20.00	
Bliss & Nye, sundries	23.25	
Briggs & Lawrence, furnishings	75.60	
J. F. Chipman, keeper, disbursements	10.55	
C. B. Chubbuck, geese	10.00	
A. E. Coffin Press, printing	18.25	
John Connors, teaming	2.50	
Frederick B. Cook, services	36.50	
Thomas W. Cook, superintendent, disbursements	44.21	
Lucretia Coward, rent	2.50	
W. F. Desmond, lumber	44.02	
F. M. Douglass, toilet articles	10.35	
David Duff & Son, dressing	99.11	
David Duff & Son, teaming	43.75	
Elzeard Fournier, lumber	15.22	
H. J. Fredette, dressing	13.34	
W. A. Greenough & Co., dilectory	2.50	

Hatch & Co , express	10.80	
Highways and Streets, dressing	186.65	
E. F. Hogdson, brooders and hutches	36.00	
Household Furnishing Co., oil stove	6.70	
Whitney Howland, Belgian hares	50.00	
H. S. Hutchinson & Co., stationery	9.41	
B. S. Jenkins, signs	1.38	
Henry F. Jenks, drinking fountains	120.00	
William L. Kelley, clock	4.50	
William Kenney, dressing	92.00	
Kokomo Fence Machine Co., fence	140.50	
E. T. Lee, lawn swings	25.50	
Masonic Building Association, rent	250.00	
John McCullough, canvas	5.30	
Mercury Publishing Co., advertising	2.27	
Mercury Publishing Co., printing	289.13	
Mercury Publishing Co., subscription	6.00	
Moynan & Co., blankets	7.00	
N. B. Gas & Edison Light Co., lighting	472.40	
N. B. Product Co., services	6.00	
N. Y., N. H. & H. R. R. Co., freight	.42	
F. William Oesiing, building wall	11.52	
H. B. Remington, teaming	53.85	
Ruggles & Ellison, flag	5.00	
Mortimer Searles, rubber stamps	5.00	
James Slater, flags	32.00	
E. A. Snow, brokerage	48.32	
So. Mass. Telephone Co., service	18.00	
E. C. Taber, sundries	14.29	
R. W. Taber, stationery	16.66	
E. Paul Tilghman, photographs	2.10	
Joseph G. Tirrell, photographs	121.00	
Union Street Railway Co., car tickets	45.00	
Charles F. Wing, stretcher and swings	33.50	3,053.40
		$23,011.63
To transfer to balance		32.44
		$23,044.07

Cr.

By appropriation	$18,000.00	
By transfer from "Unappropriated Funds"	5,000.00	
Receipts as per Treasurer's reports	44.07	$23,044.07

PARK COMMISSION — SOUTH END PARK.

Dr.

Martha P. Lucas and others, land	$13,000.00	
F. Willlam Oesting, land	15,000.00	$28,000.00

Cr.

By special appropriation	$28,000.00

PINGREE PLAN, FOR THE BENEFIT OF THE POOR AND UNEMPLOYED.

Dr.

Fertilizers:—		
John Notter	$75.40	
S. S. Paine & Brother	55.00	
Wilson & Wordell	154.35	$284.75
Land rent:—		
John Marshall	35.00	
William A. Pease	100.00	
Loum Snow, trustee	99.18	234.18
Plants and seeds:—		
C. H. & H. A. Lawton Co.	104.34	
John Notter	40.80	145.14
Ploughing and harrowing:—		
H. J. Fredette	1.50	
Isaac H. Manchester	10.50	
A. W. Perkins & Co.	109.25	121.25
Miscellaneous:—		
E. Anthony & Sons, Incorp., advertising	2.03	
William F. Chase, superintendence	500.00	
Mercury Publishing Co., advertising	1.77	503.80
		$1289.12

Cr.

By appropriation	$1,200.00	
By transfer to balance	89.12	$1,289.12

PLANS AND SPECIFICATIONS FOR NEW SCHOOL BUILDINGS, BLACKMER STREET, COGGESHALL STREET AND SHAWMUT AVENUE.

DR.

C. Hammond & Son	$593.75	
Samuel C. Hunt	1,500.00	$2,093.75

CR.

By special appropriation	$2,093.75

POLICE DEPARTMENT.

DR.

Pay rolls:—		
Officers, patrolmen, housekeepers, etc.		$102,281.78
Reserve police	$2,782.10	
Special police	418.00	
Quarantine police	61.20	3,261.30
Committing prisoners:—		
Lemuel D. Adams	190.09	
George W. Pinkham	5.47	
James A. Wixon	20.35	215.91
Fuel and lighting:—		
City Coal Co.	336.63	
Denison Brothers Co.	1.20	
George P. Grant	1.00	
Albert W. Holmes	456.80	
N. B. Gas & Edison Light Co.	466.56	
A. C. Shattuck	4.45	
L. A. Washburn	9.75	1,276.39
Personal services:—		
George Barnes, M. D.	13.00	
E. W. Dehn, M. D.	5.00	
J. A. Frazier, M. D.	2.00	
Manuel F. George, Jr., boatman	590.00	

W. J. Nickerson, M. D.	10.00	
J. P. St. Germain, M. D.	5.00	
M. V. Sylvia, M. D.	10.00	
Henry N. West, clerk	780.00	
James L. Wilber, keeper lock-up	100.00	1,515.00
Police signal system:—		
Henry T. Allen	30.70	
William Baylies	85.49	
James E. Blake	2.00	
W. R. Brixey	599.84	
Henry G. Brown	4.00	
Joseph T. Brownell	150.00	
William Cronin & Co.	118.01	
C. F. Cushing	1.00	
J. G. Davoll	78.63	
William E. Decrow	642.23	
Denison-Plummer Co.	3.44	
Henry H. Dews	17.00	
J. B. Farrell	14.00	
Fire Department	72.00	
Foote, Pierson & Co.	7.20	
N. T. Fuller	105.22	
E. G. Gifford	67.75	
Perry P. Jenney & Son	22.10	
J. Frank Kirk	28.85	
Isaac F. Manchester	2.50	
Charles E. Perry & Co.	78.75	
Daniel T. Rooney	6.00	
Wilson & Wordell	4.00	
W. P. Wilson	103.37	
A. H. Wordell	4.00	2,248.08
Stock and labor:—		
F. T. Akin & Co.	2.46	
Babbitt, Wood & Co.	5.80	
William P. Briggs	6.85	
S. E. Bryant, Jr.	15.50	
William H. Caswell	13.56	
Coggeshall, Maxfield & Co.	21.82	
C. L. Dunham	3.04	
A. C. Fuller	1.00	
J. W. Garant	5.00	
T. M. Hart & Co.	52.08	
D. L. Hathaway & Son	283.14	

W. D. Hathaway	13.25	
Johnson & Howland	4.07	
N. B. Boiler & Machine Co.	26.49	
N. B. Gas & Edison Light Co.	26.15	
William E. Newman	9.20	
A. P. Pope	3.05	
William H. Rankin	3.90	
C. R. Sherman & Son	3.25	
Hoyland Smith	2.50	
Manuel E. Sylvia	202.53	
E. G. Watson	11.30	
Charles F. Wing	6.50	
Wood, Brightman & Co.	8.80	731.24
Supplies:—		
F. T. Akin & Co.	2.85	
Amyl-Kijo Chemical Co.	8.60	
Boston Beef Co.	94.93	
James W. Brown	21.75	
Sarah M. Brownell	14.25	
P. Demers	6.00	
D. B. Folger	52.69	
Thomas Hersom & Co.	17.60	
C. H. & H. A. Lawton Co.	11.95	
W. A. Robinson & Co.	.70	
C. R. Sherman & Son	29.00	
Sultar Co.	8.02	
George Thomas	86.70	
Charles H. Tripp	27.77	
Wood, Brightman & Co.	5.96	
Emma Young	38.55	427.32
Miscellaneous:—		
Charles T. Aborn, ornaments	8.00	
Edwin Allen, express	1.00	
American Woolen Co., uniform cloth	68.91	
E. Anthony & Sons, Incorp., advertising	5.42	
Isaac L. Ashley, carriage hire	1.00	
Automatic Telephone Co., service	66.34	
J. V. Bancroft, sprinkling	48.00	
Bent & Bush, shoulder straps	11.00	
Blake & Stearns, uniform cloth	98.44	
F. S. Blanchard & Co., year book	3.00	
Bliss & Nye, sundries	51.26	
A. L. Braley, punch bag	3.75	

George L. Briggs, newspapers	23.15
F. S. Brightman Co., pens	4.50
Sarah M. Brownell, laundry	5.02
City Steam Laundry Co., laundry	69.84
A. E. Coffin Press, printing	19.25
Continental Brush Co., brushes	25.90
D. H. DeMoranville, freight and carting	2.64
D. H. & C. A. DeMoranville, freight and carting	5.88
DeWolf & Vincent, exerciser	12.00
DeWolf & Vincent, hardware	11.70
J. Wilcox Ellis, extinguishers	18.00
D. Evans & Co., buttons	20.50
G. E. Gendron, inspector, expenses	43.93
W. A. Greenough & Co., directories	17.50
Hatch & Co., express	.35
F. L. Hathaway, inspector, expenses	24.75
C. J. Heller, uniform letters	8.75
Hillman, Washburn and Co., hardware and sundries	35.94
Iver Johnson Sporting Goods Co., exerciser	8.00
Arthur H. Jones, lieutenant, expenses	3.60
William L. Kelley, badge repairs	.50
L. A. Littlefield, plating	3.25
Henry W. Mason, chief, disbursements	110.44
Mercury Publishing Co., advertising	5.34
Mercury Publishing Co., printing	8.81
Mercury Publishing Co., subscription	6.00
Moore & Dick, bedding	4.49
N. B. Steam Carpet Beating Est., cleaning	4.28
Oak Hall Clothing Co., gold stars	2 00
Horace Partridge Co., medicine ball	4.75
Pairpoint Mfg. Co., gilding	7.50
George D. Richards, mops and brooms	5.75
Schuler Brothers, blacking and brushes	4.50
F. R. Slocum, curtains	2.55
So. Mass. Telephone Co., service and tolls	128.66
J. V. Spare Dry Goods Co , bedding and towels	20.59
Sullivan & Markey, binding	5.50
D. J. Sullivan, clock repairs	.75
M. C. Swift & Son, clothing repairs	13.15
R. W. Taber, books and stationery	124.83
W. C. Underwood, sergeant, expenses	1.20

Viall & Cook, rent	183.37	
Samuel Whitlow, agent, wire	2.63	
James M. Whittaker, laundry	109.20	
Charles F. Wing, furniture and repairs	11.75	
C. E. Woodworth, clock repairs	1.25	1,500.36
		$113,457.38
To transfer to balance		4,762.00
		$118,219.38

Cr.

By appropriation	$112,000.00	
Receipts as per Treasurer's reports	6,219.38	$118,219.38

POOR DEPARTMENT.

Dr.

Almshouse:—	
Almshouse help, wages	$9,298.25
Acushnet Co-operative Association, groceries and provisions	1,423.65
F. T. Akin & Co., paint, glass and labor	190.02
E. Anthony & Sons, Incorp., subscription	6.00
Merton B. Ashley, wood and sawdust	73.00
Isaac L. Ashley, horse hire and keeping	270.00
Ashley & Peirce, clothing and furnishings	37.44
Ashley & Peirce Clothing Co., clothing and furnishings	175.65
A. L. Austin, blacksmithing	15.01
Automatic Telephone Co., rentals	7.00
William Baylies, grain and groceries	1,038.10
H. A. Blackmer, truss	3.50
James E. Blake, seeds	24.21
Bliss & Nye, crockery, glass, etc.	97.97
C. T. Bosworth & Co., medical supplies and appliances	23.25
Bowman & Vaughan, molasses, rice and tobacco	235.97
George S. Bowen & Co., brooms	12.70
Briggs & Lawrence, beds and bedding	34.00

Bristol, Myers & Co., medical supplies	24.00
E. C. Brownell, fish and meat	278.68
S. A. Brownell & Co., meats	693.02
City Coal Co., coal	407.93
A. L. Couet, horseshoeing	21.13
Clara Couet, horseshoeing	4.88
Thomas W. Croacher, lumber	99.38
William Cronin & Co., stable furnishings	4.50
C. S. & B. Cummings, groceries and liquor	14.50
C. F. Cushing, stable supplies and repairs	30.40
J. Davis & Co., shoes and rubbers	200.24
J. G. Davoll, flour and grain	461.00
Denison-Plummer Co., flour and grain	426.90
DeWolf & Vincent, hardware and tools	.81
Henry H. Dews, services	2.00
Thomas Donaghy, shoes, leather and findings	110.47
Frank M. Douglass, medical supplies	59.40
Driscol, Church & Hall, groceries	576.28
George E. Faisneau, Jr., dry goods and notions	17.58
Fichtenmayer & Flynn, blacksmithing	29.20
Fire Department, dressing	205.00
D. B. Folger, potatoes	9.00
F. A. Frates, harness and repairs	110.20
N. T. Fuller, blacksmithing and painting	141.17
Jonathan Handy Co., bolts	.49
T. M. Hart & Co., hooks, lines and oars	5.97
W. E. Hathaway, flour, grain and seed	90.80
Thomas Hersom & Co., oil	1.00
Hillman, Washburn & Co., hardware and tools	208.89
Albert W. Holmes, coal	1,143.73
George S. Homer, oil	8.80
A. H. Howland, agent, liquor	231.25
H. B. Howland, clock repairs	1.25
Henrietta Humphrey, services	37.50
William L. Kelley, clocks and repairs	15.95
C. H. & H. A. Lawton Co., medical supplies	71.25
Joseph S. Lewis, Jr., steam fitting	13.96
Malt Diastase Co., medical supplies	10.00
John McCullough, fertilizer	45.94
Mercury Publishing Co., subscription	6.00

George F. Merry, sawdust	25.000
Mills Tea & Coffee Co., coffee	48.00
Moore & Dick, dry goods and notions	164.70
Moynan & Co., dry goods	56.22
Joseph Munroe, coffee and tea	56.70
N. B. Dry Goods Co., sundries	.69
N. B. Foundry & Machine Co., stock and labor	9.80
N. B. Gas & Edison Light Co., labor and material	26.06
N. B. Gas & Edison Light Co., lighting	715.37
N. B. Ice Co., ice	42.24
N. B. Steam Carpet Beating Est., cleaning carpets	1.68
N. B. Water Works, service	3.32
John Notter, potatoes	63.52
Nuttall's Pharmacy, medicine	1.50
Charles S. Paisler, lime and cement	24.35
J. E. Pease, dentistry	4.00
Pease & Dandurand, medical supplies	33.40
E. F. Penney, labor, iron and tinware	162.11
G. & L. Poisson, clothing	18.74
William F. Potter, groceries	1,061.59
Richmond & Co., hops and malt	32.10
A. Robinson, tobacco	47.25
Ruggles & Ellison, dry goods and notions	21.53
Sanders & Barrows Clothing Co., clothing and furnishings	88.30
Etta Shaw, services	27.50
C. R. Sherman & Son, stock and labor	35.80
William Smith, Jr., tea and coffee	69.90
J. V. Spare Dry Goods Co., dry goods and notions	161.27
Sultar Co., cleanser	37.50
Frank W. H. Swift, fish	1.05
R. W. Taber, stationery supplies	15.52
James P. Taylor, medical supplies	513.79
Watson Brothers, fish	10.11
Clarence E. Westgate, wood	27.37
F. W. Wentworth Co., furnishings	2.00
Wheeler & Wilson Mfg. Co., bobbins, etc.	.90
A. G. Wilbor, flour	27.00
E. Williams, chaplain, services	159.00
Wilson & Wordell, fertilizer	35.00

Wilson & Wordell, harrow	102.25	
C. F. Wing, carpets, shades and wall paper	47.31	
Wood, Brightman & Co., sundries	7.33	
A. H. Wordell, farming tools	68.90	
A. H. Wordell, fertilizer	13.60	
Frank L. Young & Kimball, oil	6.00	$22,863.44
Burials:—		
Robert G. Bennett	39.00	
A. Desautels	158.00	
Vital Girard	139.00	
Hicks & Potter	15.00	
J. B. Jean	108.00	
Lagasse & Dubois	8.00	
John E. Moriarty	36.00	
T. J. Murphy	53.00	
John Rogers	360.00	
J. D. Sullivan	103.00	
Weston C. Vaughan, Jr.	107.00	
Joseph S. Williams	434.00	
E. T. Wilson & Son	122.00	1,682 00
Cities and towns:—		
Boston	114.00	
Dartmouth	155.93	
Easton	107.00	
Fairhaven	201.20	
Fall River	103.84	
Mansfield	47.25	
Middleborough	112.09	
Nantucket	48.00	
Quincy	5.41	
Salem	17.14	
Wareham	20.00	
Worcester	146.36	1,078.22
Grocery orders:—		
Acushnet Co-operative Association	251.00	
George L. Adams	56.00	
A. G. Alley, Jr.	11.00	
J. B. Archer	60.50	
William Armitage	23.50	
Armour Packing Co.	21.50	
J. B. Ashley, Jr.	219.00	
J. C. Austin	7.50	
D. W. Baker	220.50	

J. T. Baldwin	55.50
Baptist & Sylia	10.00
J. W. Bates & Co.	115.50
Lot B. Bates	212.50
William Baylies	613.00
Moise Berard	10.50
Bolduc & Langlois	72.00
Boston Beef Co.	1,203.00
J. B. Bradford	2.00
Mrs. W. L. Bradford	38.50
J. W. Braley, Jr.	72.00
Braley & Brownell	104.00
E. T. Brightman & Co.	38.00
David Bromley	113.50
C. H. Brownell & Son	847.00
E. C. Brownell	7.50
S. A. Brownell & Co.	760.50
Thomas Burgess & Son	185.00
William Burke	81.00
A. M. Burns	38.00
E. M. Campbell	6.00
Central Union Association	415.00
William L. Chadwick	49.50
William H. Chappell	72.00
C. W. Chase	70.50
Aldege Chausse	22.00
Joseph Chausse	262.50
C. H. Church	1.00
Ida Cohen	6.00
Henry W. Cole & Co.	62.00
John H. Cook	130.00
I. C. Couling	12.00
Courchine & Lessard	1.50
Coxen & Tripp	52.00
C. S. & B. Cummings	125.00
Cushman Brothers	75.50
Fred A. Dammon	366.50
Darling Brothers & Co.	10.50
Charles M. Davenport	16.00
Denison-Plummer Co.	12.00
S. Desautels	77.00
Driscol, Church & Hall	1,304.25
C. H. Flanders	3.00
D. B. Folger	697.50

Henry Gatie	145.50
D. H. Gauthier	123.00
German & Bohemian Co-operative Association	48.00
L. Gillespie	4.50
Gilmore Brothers	2.00
F. Gonneville	61.50
F. Gonneville & Son	6.00
G. F. Gray	37.50
John Greenwood	47.00
Newton Greenwood	30.00
C. J. Griffin	2.00
John S. Harrington	79.00
Harrington Cash Store	132.00
S. Harrison & Son	6.00
James Haworth	50.00
Edward H. Healey	349.00
B. Hebert	61.00
William Hindle	63.50
Herbert W. Hirst	245.00
Arthur J. Hughes	33.50
Edward Hughes & Son	1.50
J. L. Humphrey, Jr.	5.00
William H. Humphrey	15.00
Frank Hurd	5.50
Annie Isaacovitz	6.00
Walter F. Jenney	75.00
William S. Jenney	7.50
Patrick Jordan	29.50
E. T. Judson	6.00
H. G. Judson	8.00
Jacob Karaz	1.50
M. J. Keavey	122.50
Joseph Keroack	13 00
Adam S. Korona	6.00
Jacob Koster	17.50
Joseph Lafrance	16.50
Lincoln & Brownell	7.00
Joseph Lord	26.00
William T. Luce, Jr.	143.00
W. T. Meagher	22.50
Mello & Fernandez	39.50
L. E. Milliken & Co.	442.00
William T. Moncrieff	1.50

Robert H. Murdy	23.00	
Thomas J. Murphy	119.25	
National Biscuit Co.	3.00	
John Notter	128.00	
Alfred Nye	72.00	
Alfred Owen	117.00	
Charles F. Perry	103.50	
William A. Perry	241.50	
Charles E. Poirier	19.50	
Joseph P. Ponte	44.50	
Manuel P. Ponte	6.00	
E. L. Potter	104.00	
William F. Potter & Co.	160.00	
J. A. Randall	51.00	
J. F. Riley	195.50	
Daniel Robinson	31.00	
Louis Rosenberg	28.50	
E. Rosseau	1.50	
D. Alfred Roy	102.00	
Saucier & Parent	45.50	
Samuel Seabury	17.00	
L. W. Senesac	16.50	
H. A. Sherman	46.00	
Edward S. Silvester	13.50	
Andrew Simpson	38.00	
Caleb Slade	4.00	
George B. Stafford	4.50	
A. G. Stanton	6.00	
Sylvia & Andrews	166.50	
O. R. Taber & Son	93.50	
Thompson & Sweeney	54.00	
D. K. Tripp	346.00	
Franklin H. Vinal	163.00	
William Wallace	6.00	
A. R. Washburn	84.50	
White Cash Store	1.00	
James H. Winslow	20.00	
F. Zimmermann	119.00	14,637.50
Physicians and medicines:—		
H. A. Blackmer	3.50	
James E. Blake	5.00	
Church & Hammond	.35	
Joseph A. Frasier, M. D.	928.47	
C. H. & H. A. Lawton Co.	2.15	

George F. Lewis, M. D.	5.00	
Alphonse Normandin, M. D.	922.82	
H. L. Stevens, M. D.	10.00	
James F. Sullivan, M. D.	109.68	
John V. Thuot, M. D.	117.18	
E. M. Whitney, M. D.	7.00	2,111.15
Salaries:—		
A. H. W. Carpenter, overseer	150.00	
A. H. W. Carpenter, secretary	850.00	
Ella F. Bucklyn, clerk	800.00	
Ezekiel C. Gardiner, overseer	104.17	
Charles S. Paisler, overseer	150.00	
Antone H. Senna, interpreter	700.00	
Augustus A. Wood, visitor	750 00	3,504.17
State Institutions:—		
Commonwealth of Massachusetts	1,288.95	
Hospital for Dipsomaniacs and Inebriates	58.04	
Hospital for Epileptics	506.07	
Medfield Insane Asylum	2,013 60	
School for Feeble Minded	677.80	
Taunton Insane Hospital	9,321.53	
Westborough Insane Hospital	443.92	
Worcester Insane Asylum	169.46	14,479.37
Wood and coal yard:—		
Andrew J. Ashley, superintendent	547.75	
City Coal Co., coal	1,430.49	
A. E. Coffin Press, printing	1.50	
DeWolf & Vincent, grate and saws	3.50	
N. P. Hayes, broom	.30	
Highways and Streets, blocks	1.50	
Highways and Streets, carting orders	485.82	
Hillman, Washburn & Co., hose and nozzle	9.50	
Perry P. Jenney & Son, tools and fitting	29.93	
Ernest C. Loner, wood	111 76	
Charles E. Peirce, carpentry	10.19	
John A. Russell, wood	239.09	
Clarence E. Westgate, wood	114.61	2,985.94
Miscellaneous:—		
Gideon H. Allen, postal guide	2.50	
James T. Almy, spectacles	4.00	
E. Anthony & Sons, Incorp., advertising	.67	
E. Anthony & Sons, Incorp., subscription	6 00	

Ashley & Peirce, clothing and furnishings	19.21
Ashley & Peirce Clothing Co., clothing and furnishings	21.86
Automatic Telephone Co., rentals	48.00
Bates Mfg. Co., stamp repairs	1.95
Blackbird Pen Co., pens	7.50
F. S. Blanchard & Co., year book	3.00
Boston Penal Institutions Department, board	5.00
Briggs & Lawrence, furniture and repairs	12.99
T. S. Buck, rubber stamps	1.40
A. H. W. Carpenter, secretary, disbursements	65.92
City Treasurer, cash orders	2,175.50
A. E. Coffin Press, envelopes and printing	17.65
W. H. Collins & Co., books	1.20
C. S. & B. Cummings, soap and matches	.65
J. Davis & Co., shoes and rubbers	5.25
Thomas Donaghy, shoes	3.00
David Duff & Son, coal	4.00
J. L. Fairbanks & Co., books and blanks	17.65
E. C. Gardiner, carriage hire	28.25
Estate of E. C. Gardiner, carriage hire	7.60
W. A. Greenough & Co., directory	2.50
Joseph P. Kennedy, envelopes	.40
Library Bureau, index cards	1.60
Mercury Publishing Co., advertising	.65
Mercury Publishing Co., printing	7.00
Mercury Publishing Co., subscription	6.00
Moynan & Co., sheets	1.00
Neal Shoe Co., rubber boots	4.00
N. B. Gas & Edison Light Co., labor	.40
N. Y., N. H. & H. R. R. Co., transportation	226.07
D. L. Parker, P. M., stamped paper	11.00
J. Henry Peirce, carriage hire	2.00
W. H. Rankin, repairs	1.00
A. M. Rodgers, transportation	55.33
Sanders & Barrows Clothing Co., underwear	2.00
St. Luke's Hospital, board	345.55
St. Mary's Home, board	67.50
C. R. Sherman & Son, stock and labor	.85
F. R. Slocum Co., casters	1.90
So. Mass. Telephone Co., service and tolls	65.21

J. V. Spare Dry Goods Co., dry goods	4.79	
State Board of Charity, transportation	28.00	
Sullivan & Markey, binding	3.00	
R. W. Taber, stationery supplies	16.69	
Union Boot & Shoe Co., shoes and rubbers	107.30	
Union Street Railway Co., car tickets	15.00	
A. Washburn, telephone index	1.00	
F. W. Wentworth Co., furnishings	1.71	3,440.20
		$66,781.99

CR.

By appropriation	$55,000.00	
Receipts as per Treasurer's reports	9,735.91	
By transfer to balance	2,046.08	$66,781.99

PRINTING, BINDING AND STATIONERY.

DR.

E. Anthony & Sons, Incorp.	$2.62	
F. S. Brightman Co.	4.50	
Carter's Ink Co.	8.95	
A. E. Coffin Press	1,590.76	
W. H. Collins & Co.	268.75	
W. A. Greenough & Co.	27.50	
Hobbs & Warren Co.	76.50	
Library Bureau	38.00	
Lyon Platinum Pen Co.	6.00	
E. A. McMillin	3.50	
Mercury Publishing Co.	188.90	
N. B. Printing Co.	6.50	
Pneumatic Hand Stamp Co.	1.59	
J. J. Shannon	2.25	
Sullivan & Markey	57.50	
Robert W. Taber	300.75	
Wyckoff, Seamans & Benedict	19.45	$2,604.02
To transfer to balance		$395.98
		$3,000.00

CR.

By appropriation	$3,000.00

PUBLIC BATHS, EAST FRENCH AVENUE.

DR.

Isaac L. Ashley, agent, land rent	$200.00	
Charles D. Beetle, stock and labor	35.85	
William P. Butler, hardware	5.59	
J. B. Hamblin, spile	3.00	
Household Furnishing Co., mirror	.70	
George E. Kent, pile driving	12.00	
John Latham, carting	2.00	
C. H. & H. A. Lawton Co., iron carbonate	1.00	
John Leclaire, services	109.50	
J. H. Mahoney, plumbing	5.55	
John McCue, labor	1.75	
A. D. McMullen, carting	.50	
James McNeeley, services	210.00	
James McNeeley, sundries	11.37	
N. B. Rubber Co., rings	6.63	
Moynan & Co., bathing suits	38.00	
Packard Hardware Co., wringers	11.00	
E. F. Penney, plumbing	10.91	
Perry Laundry Co., laundry	94.27	
S. F. Perry & Son, carriage hire	4.00	
Rotch & Potter, insurance	12.50	
Ruggles & Ellison, bathing suits and buttons	28.25	
James B. Russell, labor	1.00	
C. R. Sheaman & Son, locks and keys	3.45	
J. V. Spare Dry Goods Co., flag	4.50	$813.32
To transfer to balance		186.68
		$1,000.00

CR.

By transfer from "Unappropriated Funds"	$1,000.00

PUBLIC DEBT.

Dr.

Principal (bonds) paid	$113,000.00	
Interest on bonded debt	155,685.00	
Interest on temporary loans	21,804.70	
Interest on trust funds	8,307.88	$298,797.58

Cr.

By appropriation	$184,855.00	
Receipts as per Treasurer's reports	110,080.00	$294,935.00
By transfer to balance		3,862.58
		$298,797.58

PUBLIC SCHOOLS — DOG FUND.

Dr.

School census:—		
Gilbert B. Borden	$75.00	
William Hawes	40.00	
Laura T. Howland	37.00	
Walter R. Myrick	50.00	
Henry T. Phillips	85.00	
Ada C. Sherman	55.00	
Robert W. Taber	5.67	$347.67
Flags, poles and repairs:—		
Almy & Hitch	5.50	
P. Black	6.13	
T. M. Hart & Co.	12.49	
J. A. E. Michaud, agent	6.75	
Frank R. Pease	21.50	
F. O. Pollock	1.50	
James Slater	2.25	
South Bristol Medical Co.	11.25	67.37
Miscellaneous:—		
William E. Hatch, cash for disbursements		150.00
		$565.04
December 2, 1901. To balance		2,020.46
		$2,585.50

Cr.

December 3, 1900 By balance	$1,129.46	
Receipts as per Treasurer's reports	1,456.04	$2,585.50

Cr.

December 2, 1901. Balance	$2,020.46

PUBLIC SCHOOLS — FURNISHING, LIGHTING AND SEATING THE NEW SCHOOLHOUSES ON BLACKMER STREET, COGGESHALL STREET AND SHAWMUT AVENUE.

Dr.

Francis T. Akin & Co.	$2.75
Bliss & Nye	272.24
Briggs & Lawrence	1,029.37
Mahala Broadbent	3.80
Chandler Adjustible Chair and Desk Works	5,767.70
Charles F. Chase	203.65
C. S. & B. Cummings	4.50
George K. Dammon	25.00
DeWolf & Vincent	297.64
Driscol, Church & Hall	15.75
Charles A. Gray & Co.	184.89
Hillman, Washburn & Co.	86.09
William A. Jennings	159.25
William L. Kelley	40.00
Kern & Wright	12.60
Knight & Thomas	135.00
Thomas J. Meaney	154.20
T. J. Moriarty	4.41
Moynan & Co.	32.16
N. B. Gas & Edison Light Co.	895.54
John N. O'Brien	9.80
Pease's Prescription Pharmacy	51.50
Charles E. Peirce	402.76
R. A. Sherman & Son	908.24
D. J. Sullivan	97.13

Robert W. Taber	206.52	
Charles F. Wing	1,900.38	
Alfred G. Wilbor	97.13	$13,000.00

Cr.

By transfer from "Unappropriated Funds"	$13,000.00

SCHOOLS — INCIDENTALS.

Dr.

Salaries:—		
William E. Hatch, superintendent and secretary	$3,500.00	
Emma M. Almy, clerk	850.00	
Mary C. Potter, clerk	500.00	
Sarah D. Ottiwell, clerk	600.00	
George K. Dammon, messenger	797.26	
Josephine B. Stuart, clerk	407.50	$6,654.76
Pay rolls:—		
Janitors and truant officers		18,794.65
Books and stationery:—		
Adams, Cushing & Foster	2,523.49	
Allyn & Bacon	12.50	
American Bank Note Co.	37.50	
American Book Co.	1,230.78	
E. Anthony & Sons, Incorp.	198.50	
D. Appleton & Co.	10.00	
Edward E. Babb & Co.	138.18	
Boston School Supply Co.	1,317.42	
Carter, Rice & Co.	50.00	
T. H. Castor & Co.	45.51	
Coffin Brothers	26.25	
A. E. Coffin Press	760.14	
W. H. Collins & Co.	30.75	
Cupples & Schoenhoff	3.60	
F. Daus Duplicator Co.	6.43	
Frost & Adams Co.	61.50	
Joseph Gillott & Sons	217.25	
Ginn & Co.	1,553.26	

W. A. Greenough & Co.	5.00	
J. L. Hammett Co.	18.72	
Harvard University	12.00	
D. C. Heath & Co.	354.62	
Holden Patent Book Cover Co.	730.58	
Houghton, Mifflin & Co.	48.76	
H. S. Hutchinson & Co.	.75	
Library Bureau	38.25	
Longmans, Green & Co.	327.09	
Maynard, Merrill & Co.	2,035.22	
Mercury Publishing Co.	168.18	
The Morse Co.	119.97	
George S. Perry & Co.	23.10	
Potter & Putnam Co.	21.00	
The Prang Educational Co.	888.47	
Rand, McNally & Co.	74.62	
Scott, Forseman & Co.	10.35	
Sibley & Ducker	12.27	
Silver, Burdett & Co.	272.40	
Sullivan & Markey	188.38	
Robert W. Taber	474.37	
Thompson, Brown & Co.	379.16	
Thorpe & Martin Co.	10.80	
Charles F. Wing	8.25	
William Wood & Co.	105.00	14,550.37
Fuel:—		
Merton B. Ashley	74.50	
City Coal Co.	7,135.41	
Albert W. Holmes	4,356.40	
John N. O'Brien	232.73	11,799.04
Furniture, furnishings and repairs:—		
Briggs & Lawrence	36.05	
Charles F. Chace	6.30	
Chandler Adjustible Chair & Desk Works	672.25	
A. B. Crowell	12.70	
J. L. Hammett Co.	11.20	
Samuel Hancock, treasurer	12.00	
H. B. Howland	16.00	
L. E. Knott Apparatus Co.	265.00	
Thomas J. Meaney	349.80	
N. B. Furniture Co.	79.35	
George S. Perry & Co.	13.50	
Henry T. Phillips	61.00	

B. H. Waite & Co.	16.87	
Charles F. Wing	815.40	2,367.42
Janitors' labor, laundry and sundries:—		
Robert Arnett	13.13	
H. O. Casey	2.45	
William J. Cochrane	26.22	
Phylander Chace	8.40	
William Clarke	1.05	
George W. Dexter	17.83	
Henry M. Gifford	15.15	
James T. Heron	22.95	
Thomas C. Holmans	16.66	
Franklin E. James	22.45	
Edwin Jones	16.74	
Hiram T. Lumbert	51.29	
John Lumbert	17.14	
Dennis J. McAuliffe	13.06	
Robert J. Moncrieff	14.46	
F. O. Pollock	71.85	
John A. Rudge	12.22	
Emma Silvia	1.59	
Edwin S. Tallman	6.43	
William J. Tilton	38.49	
Leroy G. Tripp	6.04	
Albert P. White	24.59	
James A. Wood	28.78	449.77
Labor and material:—		
Babbitt, Wood & Co.	1.40	
Willard B. Bennett	10.75	
Peter Black	131.63	
George A. Bosworth	18.01	
William P. Briggs	133.00	
Mahala Broadbent	.60	
C. F. Cushing	.75	
C. L. Dunham	24.15	
George A. Eggers	1.25	
John H. Ennis	32.00	
Loum H. Faunce	9.30	
Fournier & Nicholson	7.85	
Martin Gerraughty	39.60	
Joseph Green	3.20	
Jenney & Buffington	3.50	
Perry P. Jenney & Son	10.90	

Kern & Wright	60.63	
Anthony C. Mescer	18.83	
T. J. Moriarty	2.35	
Edward Murphy	42.00	
N. B. Cycle & Electric Co.	218.94	
N. B. Gas & Edison Light Co.	79.89	
E. F. Penney	12.20	
A. P. Pope	4.75	
E. K. Russell	10.50	
C. R. Sherman & Son	53.78	
R. A Sherman & Son	348.26	
Frank B. Sistare	29.50	
Louis Therrien	5.60	
Samuel Whitlow	22.86	
Wyckoff, Seamans & Benedict	.75	1,338.73
Rents:—		
Battery E, 1st Reg't, M. V. M.	33.00	
William B. Cross	76.50	
William O. Devoll, Jr.	5.00	
M. A. Hickey	344.67	
High School Cadets	15.00	
Franklin E. James	187.22	
Ladies' City Mission	280.00	
John H. Lowe	550.00	
Thomas J Meaney	1,480.00	
South Primitive Methodist Church	405.00	
Spruce Street Christian Church	300.00	3,676.39
Supplies:—		
Francis T. Akin	5.00	
William Baylies	2.25	
James E. Blake	9.20	
Bliss & Nye	522.84	
C. T. Bosworth & Co.	3.47	
C. H. Brownell & Son	141.91	
E. C. Brownell	3.34	
William P. Butler	9.10	
C. W. Chase	.50	
C. S. & B. Cummings	4.45	
Cundall & White	.25	
DeWolf & Vincent	71.72	
S. Agnes Donham	3.54	
F. M. Douglass	24.85	
Driscol, Church & Hall	24.94	

C. L. Dunham	11.75	
Einer & Amend	124.10	
George E. Faisneau, Jr.	3.00	
J. L. Hammett Co.	59.23	
Haskell & Tripp	25.81	
N. P. Hayes	3.80	
Thomas Hersom & Co.	43.45	
Hillman, Washburn & Co.	139.51	
Perry P. Jenney & Son	30.69	
Herman Karcher	6.60	
Edwin R. King	5.62	
L. E. Knott Apparatus Co.	490.93	
S. C. Lowe	10.50	
Moynan & Co.	9.07	
N. B. Dry Goods Co.	.81	
N. B. Gas & Edison Light Co.	2.00	
N. B. Rubber Co.	14.10	
Packard Hardware Co.	30.44	
Pairpoint Mfg. Corporation	14.48	
Frank R. Pease	6.12	
William Peirce	1.45	
George S. Perry & Co.	53.69	
E. H. Pierce	1.75	
G. & L. Poisson	3.00	
William F. Potter & Co.	27.00	
Prang Educational Co.	321.08	
C. G. & G. A. Randall	208.05	
George D. Richards	16.28	
Ruggles & Ellison	14.37	
J. V. Spare Dry Goods Co.	.29	
Sulpho Napthol Co.	34.00	
Sultar Co.	30.00	
Sylvia & Andrews	1.50	
George S. Taber	1.55	
George Thomas	10.95	
A. T. Thompson & Co.	22.17	
Wadsworth, Howland & Co.	2.64	
Henry P. Willis	6.55	2,615.69
Miscellaneous:—		
Edwin Allen, express	9.10	
Almy & Hitch, decorating	25.00	
E. Anthony & Sons, Incorp., advertising	67.24	
E. Anthony & Sons, Incorp., subscription	6.00	

George Bailey, labor	72.75
J. V. Bancroft, sprinkling	16.00
E. E. Baudoin, services	35.00
C. J. Becker, services	9.45
W. R. Butler, postage	7.50
Frank Cabral, carting	2.00
Catholic Union Publishing Co., advertising	28.50
C. H. Chase, transportation	39.00
Daily L'Independant, advertising	50.85
George K. Dammon, disbursements	27.49
David Duff & Son, carting	.50
C. L. Dunham, tools	7.15
Harriet H. Gilman, use of tables	1.00
Gorham Mfg. Co., bronze tablet	85.00
C. A. Gray & Co., freight and carting	159.51
Mary I. Hamilton, plate pictures	1.50
Edward S. Haskell, decorations	5.00
Hatch & Co., express	31.55
William E. Hatch, disbursements	65.14
A. B. Hathaway, decorations	14.00
N. P. Hayes, lawn mower	9.00
J. F. Hoye, boiler insurance	50.00
Estelle M. Hurll, services	10.00
H. S. Hutchinson & Co., picture framing	6.13
William A. Jennings, carting	449.95
Johnson & Howland, flag poles	249.00
Charles F. Keen, grinding tools	4.00
William L. Kelley, clocks and repairs	24.75
Knight & Thomas, fire extinguishers	324.00
Mercury Publishing Co., advertising	53.88
Mercury Publishing Co., subscription	6.00
New Bedford Band, services	44.00
N. B. Co-operative Express, service	12.65
N. B. Gas & Edison Light Co., light and power	1,570.54
N. B. Steam Carpet Beating Est., cleaning carpets	16.78
George H. Palmer, lecture	25.00
S. F. Perry & Son, carriage hire	3.50
Pneumatic Hand Stamp Co., stamps	1.24
Mortimer Searles, stamps and pads	12.14
Sherman & Perry, carriage hire	1.00
Slocum & Kilburn, lantern	1.25
Allen Smith, Jr., carriage hire	36.00

William Smith, Jr., services	1.50	
So. Mass. Telephone Co., service and tolls	48.58	
George R. Spooner, transportation	226.50	
D. J. Sullivan, clock repairs	9.50	
D. J. Sullivan, piano rent	25.04	
M. L. Sylvia, brush	4.50	
E. E. Tolman, orchestra	18.00	
Union Street Railway Co., car tickets	76.50	
David Warren, teaming	5.75	
James M. Whittaker, laundry	37.80	
Alfred G. Wilbor, cleaning clocks	3.75	
Mrs. William Woolfenden, laundry	9.15	4,143.61
		$66,390.43
Transfer to balance		109.57
		$66,500.00

Cr.

By appropriation	$53,500.00	
By special appropriation	13,000.00	$66,500.00

PUBLIC SCHOOLS — PAY OF TEACHERS.

Dr.

HIGH SCHOOL.

Wilson R. Butler	$2,750.00
William E. Sargent	1,697.00
Charles R. Allen	1,700.00
Charles T. Bonney, Jr.	1,600.00
Edwin H. Harris	1,435.00
Lydia J. Cranston	1,000.00
Elizabeth P. Briggs	882.00
Mary E. Austin	900.00
Lucretia N. Smith	900.00
Emma K. Shaw	900.00
Helen L. Hadley	900.00
Mabel W. Cleveland	900.00
Mary C. Wiggin	830.00
Katharine M. Crabtree	800.00

Hannah E. Rollins	225.00	
Henrietta E. Hardy	270.00	
Edmond E. Baudoin	300.00	$17,989.00

GRAMMAR SCHOOLS.

Fifth Street:—		
Allen F. Wood	1,900.00	
Lydia A. Macreading	660.80	
N. Emma Slack	472.36	
Mary E. Allen	597.00	
Sarah E. Stoddard	598.00	
Emma A. McAfee	420.00	
Mary W. Leymunion	600.00	
Annie C. Hart	600.00	
Mary A. Kane	599.00	
Grace L. Carver	600.00	
Lottie M. Allen	524.00	
Ivy H. Smith	418.00	
Clara M. Woodward	180.00	
Helen C. Hervey	135.00	8,304.16
Middle Street:—		
George H. Tripp	1,330.00	
Elwyn G. Campbell	570.00	
Lucy B. Fish	668.80	
Lucy F. Winchester	670.80	
Anastasia O'Keefe	597.50	
Regina M. Paul	600.00	
Clara S. Vincent	597.00	
Etta M. Abbott	600.00	
Helen McCoy	600.00	
Lizzie E. Omey	600.00	
Julia C. Gifford	600.00	
Elizabeth D. Hicks	600.00	8,034.10
Parker Street:—		
Arthur F. Gilbert	1,900.00	
Anna L. Jennings	667.80	
Mariana N. Richmond	674.80	
A. Mabel Drew	600.00	
Daisy M. Butts	600.00	
Mary L. Pettey	600.00	
Emma A. Eaton	420.00	
Lillian T. Thomas	580.00	

Emily A. Delano	599.50	
Belle B. Wheeler	600.00	
Flora M. Corwin	351.00	
Lizzie A. Nickerson	420.00	
S. Agnes Holmes	180.00	
Katherine E. Kenyon	349.00	
Rose M. Meaney	539.00	
Louise E. Hicks	494.36	
Lila B. Lewis	164.00	
Marie Clifford	165.00	9,904.46
Robert C. Ingraham:—		
Alice C. Munsey	1,480.00	
Mary A. Macy	598.00	
Cora B. Cleveland	599.00	
Lizzie M. Briggs	595.00	
Mabel A. Valentine	415.50	
Agnes M. James	591.00	
Grace W. Glines	600.00	
Mary O. Lamb	420.00	
Annie L. Murkland	569.25	
Anna H. Bartlett	577.88	
Helen T. Maxfield	592.50	
Clara E. Sherman	136.00	
Clara A. Farrell	108.00	
N. Emma Slack	202.44	
Lila D. Hayne	174.00	
Sarah A. Sawyer	178.00	7,836.57
John H. Clifford:—		
Edward B. Gray	570.00	
Emma A. McAfee	202.44	
Katherine E Kenyon	165.00	
Florence M. Ellis	180.00	
Lizzie A. Nickerson	180.00	
Emma A. Eaton	178.00	
Flora M. Corwin	180.00	
Susan Gifford	180.00	
Rachel M. Wordell	180.00	
Louise M. Newhall	180.00	
Emma R. Wentworth	46.50	2,241.94
Phillips Avenue:—		
Agnes J Dunlap	550.00	
Clara M. Woodward	90.00	
Florence M. Ellis	240.00	

Louise M. Newhall	420.00	
Susan Gifford	416.25	1,716.25
William H. Taylor:—		
Mary E. McAuliffe	203.24	
Rachel M. Wordell	376.75	
Vashti M. Crosby	180.00	759.99

PRIMARY SCHOOLS.

Acushnet Avenue:—		
Jane C. Thompson	763.61	
Caroline S. Silva	542.45	
Nellie A. Walker	550.00	
Sarah E. Kirwin	397.95	
Julia M. Pilling	549.20	
Harriet L. Cornell	64.25	
Lida J. Brightman	543.60	
Mary C. Barstow	495.00	
Sylvia W. Paulding	550.00	
Ella W. Cake	545.65	
Katherine O'Connell	465.00	
Emily W. Davis	311.25	
Lucie White	151.25	
Eudora K. Barry	361.00	6,290.21
I. W. Benjamin:—		
Jane E. Gilmore	857.43	
Nellie W. Davis	549.20	
Alice A. Taylor	545.20	
Mary F. Livingston	467.50	
Emma L. Gartland	542.00	
Flora A. Pearl	534.00	
Marion H. Swasey	165.00	
Laura C. McCabe	547.83	
Sophie T. Anthony	550.00	
Lila D. Haney	324.55	
Florence M. Anthony	546.25	
Cecilia A. Deane	546.25	
Hannah E. Norton	492.76	
Ethel Bliss	303.06	
Bertha E. Jenney	311.25	
Kate W. Chace	287.50	
Anne R. Gifford	30.00	
Charlotte G. Tourtelotte	119.00	
Anne J. Chase	365.80	8,084.58

Cedar Grove Street:—		
Maria B. Clark	665.00	
Agnes J. Dunlap	262.44	
Annie G. Brawley	385.00	
Kate Sweet	408.00	
Isabella F. Winslow	255.75	
Alice P. Winchester	550.00	
Mary R. Dalton	543.13	
Gertrude Hawes	534.00	
S. Agnes Holmes	385.00	
Amelia A. Murray	249.00	
Sara Peckham	550.00	
Harriet A. Taylor	550.00	
Agnes D. Allen	196.80	
Mary I. McCormick	130.50	
Mary P. Brownell	546.25	
Grace W. Dillingham	538.50	
Alice E. Jenney	334.76	
Mary E. Boardman	449.86	
Minnie H. Smythe	494.35	
Mary W. Snow	446.25	
Ethel Bliss	143.19	
Grace N. Bramhall	41.25	
Florence A. Howland	165.00	
Mary O. Lamb	8.25	
Ethel E. Clapp	192.00	9,024.28
John H. Clifford:—		
Mary O. Lamb	156.75	156.75
Cedar Street:—		
Hattie L. Finlan	469.16	
Annie G. Brawley	195.00	
Bessie P. Pierce	374.48	
Mabel L. Hathaway	527.60	
Ruth M. Tripp	542.23	
Esther W. Paul	550.00	
Edith M. B. Taber	385.00	
Madeline A. Gregg	165.00	
Sarah A. Winslow	379.50	3,587.97
Clark Street:—		
Elizabeth P. Spooner	706.60	
Lucy S. Leach	548.63	
Isabella Luscomb	550.00	

Martha D. Shute	383.63	
Annie S. Ray	550.00	
Lucia E. Bliss	549.20	
Mary E. Bumpus	439.80	
Harriet J. Thorpe	491.16	
Edith L. Cornish	311.25	4,530.27
Cannonville:—		
Adelaide J. McFarlin	574.80	
Florence A. Poole	550.00	1,124.80
Dartmouth Street:—		
Isadore F. Eldridge	696.80	
Sarah F. Pratt	550.00	
Annie F. Smith	543.03	
Nellie H. Cook	549.20	
Nellie L. Foster	550.00	
Carrie W. Bliss	547.60	
Jeannette B. Fuller	546.25	
Carolyn S. Jones	509.65	4,492.53
George H. Dunbar:—		
M. Eva Schwall	700.00	
Grace H. Potter	547.60	
Alice J. Lawrence	542.00	
Helen G. Malley	548.63	
Angela F. Bowie	548.63	
Mary L. Rogers	550.00	
Mary V. Perry	546.25	
Jennie A. Murphy	542.50	4,525.61
Thomas A. Greene:—		
Annie L. Macreading	732.73	
Eliza H. Sanford	550.00	
Sarah E. Sears	542.00	
Caroline E. Bonney	550.00	
Dora A. DeWolf	550.00	
Mabel A. Morris	385.00	
Bertha C. Hathaway	550.00	
Nellie E. Ashley	542.50	
Harriet S. Ashley	344.36	
Catherine A. McGuinness	293.74	
Helen C. Hervey	250.00	5,290.33
Sylvia Ann Howland:—		
Carrie E. Footman	429.36	
Marion H. Swasey	169.38	

Mary J. Graham	540.40	
Helen J. Kirk	548.00	
Ruth A. Wilde	534.80	
Helen L. Corish	477.56	2,699.50
Horatio A. Kempton:—		
Bessie P. Pierce	194.00	
Edith M. B. Taber	165.37	
Alice E. Jenney	150.00	
Clara L. Bennett	165.00	
Charlotte G. Tourtelotte	118.40	
Amelia A. Murray	114.00	906.77
Merrimac Street:—		
Harriet S. Damon	650.00	
Julia A. Ellis	428.20	
Addie West	538.80	
Anna I. Dexter	550.00	
Maria Gendron	56.00	
Margaret T. Kane	415.00	
Mary F. McIntyre	345.60	2,983.60
Phillips Avenue:—		
Carrie E. Footman	202.44	
Agnes J. Dunlap	220.00	
Helen I. Boyd	548.63	
Edith A. Austin	135.00	
Helen K. Covill	381.25	
Mary E. Peckham	494.36	
Edith M. Pratt	447.36	
Grace B. Gardner	135.00	
Alice B. Church	280.00	2,844.04
Mary B. White:—		
Mary E. Pasho	552.80	
Annie E. Pearce	505.10	
Clara C. M. Gage	550.00	
Margaret H. Holmes	548.63	2,156.53
William H. Taylor:—		
Mary E. McAuliffe	510.26	
Bertha M. Martindale	159.50	
Elizabeth J. Hurley	369.20	
Mary I. McCormick	293.70	
Mary E. Gleason	454.13	
Adelaide M. Cota	441.05	
Elizabeth C. Carter	232.00	
Abbie M. Vedder	50.00	2,509.84

Thompson Street:—		
Sarah E. Kirwin	191.24	
Lucie White	13.75	
Catherine A. McGuinness	135.00	
Kate W. Chace	133.40	
Bertha E. Jenney	135.00	
Emily W. Davis	135.00	
Sarah A. Winslow	165.00	
Harriet S. Ashley	150.00	
Mary E. Cunningham	94.00	1,152.39

HARRINGTON NORMAL AND TRAINING SCHOOL.

Cora A. Newton	1,560.00	
Mary E. Trask	1,100.00	
Carolyn D. Wood	1,060.00	
Kate Moore	650.00	
Grace W. Russell	567.70	
Mary J. Read	493.56	
Madeline Gile	465.00	
Hattie L. Shafter	443.37	
Clara L. Bennett	371.75	
Maud A. Sumner	41.25	
Eudora K. Barry	7.60	
Elizabeth C. Carter	11.80	
Anne J. Chase	11.80	
Mary E. Cunningham	94.40	
Mary E. Goggin	108.20	
Helen C. Hervey	11.60	
Elizabeth J. Hurley	10.00	
Amelia A. Murray	12.00	
Charlotte G. Tourtelotte	9.60	
Mary F. McIntyre	12.00	
Ethel E. Clapp	61.60	
Clara E. Sherman	67.80	
Jane E. Conway	120.40	
S. Ruth Cook	130.20	
Gertrude L. Corish	121.60	
Mary E. Durfee	120.80	
Edith Ferrill	129.60	
Mary A. Horan	137.20	
Louise C. Loughlin	121.60	
Bessie M. Noland	121.60	8,174.03

UNGRADED SCHOOLS.

North Mill:—		
Emma R. Wentworth	390.90	390.90
South Mill:—		
Lucy J. Remington	620.00	
Ruby M. Tripp	550.00	1,170.00
Acushnet:—		
Annie C. Maxfield	760.00	
Sarah A. Russ	599.00	
Mary G. La Plant	600.00	
Harriet N. Hyatt	548.63	2,507.63
North:—		
Mary I. Ashley	537.00	
Eliza H. Cushing	550.00	1,087.00
Plainville:—		
Eudora Lawrence	600.00	600.00
Rockdale:—		
Addie W. French	600.00	
Alice P. Terry	415.00	1,015.00

SPECIAL TEACHERS.

F. H. Butterfield	1,900.00	
Mary W. Gilbert	1,500.00	
Lena M. Willis	600.00	
Gertrude H. Leonard	524.80	
Harriet S. Phillips	523.49	
Lois A. Leonard	180.00	
Edwin R. King	1,530.00	
S. Agnes Donham	660.00	
Dora Parker	36.00	7,454.29

KINDERGARTENS.

Cedar Street:—		
Wilhelmina Humbert	379.05	
Ada S. Blake	539.65	
Susan F. Haskins	120.00	1,038.70
Thomas A. Greene:—		
Josephine H. Cobb	546.25	
Ethel S. Gibbs	543.75	1,090.00
Cedar Grove Street:—		
Anna Hill	550.00	
Irene M. Bassett	546.25	1,096.25

SUBSTITUTES.

Helen C. Allen	120.00	
Jane A. Alden	2.00	
Maud A. Bonner	15.00	
Eudora K. Barry	9.80	
Maud E. Brown	3.20	
Jane E. Conway	52.40	
Mary E. Cunningham	33.40	
S. Ruth Cook	23.60	
Ethel E. Clapp	13.60	
Gertrude L. Corish	44.00	
Alice B. Church	57.60	
Elizabeth C. Carter	4.00	
Helen L. Corish	8.80	
Mary E. Durfee	33.20	
Mary E. Ferrell	28.00	
Mary J. Graham	9.60	
Mary E. Goggin	99.20	
Janet Hunter	466.50	
Helen C. Hervey	1.00	
Mary A. Horan	12.80	
Elizabeth J. Hurley	3.20	
Susan F. Haskins	6.40	
Helen J. Kirk	2 00	
Mary A. Livesey	111.70	
Louise C. Loughlin	58.40	
Mary F. McIntyre	2.40	
Amelia A. Murray	6.00	
Bessie M. Noland	32.80	
Clara E. Sherman	59.50	
Marion Swasey	18.06	
Charlotte G. Tourtelotte	132.40	
Ruth A. Wilde	1.60	
Maria B. Wefer	3.00	1,475.16

EVENING SCHOOLS

Evening High School:—		
William E. Sargent	247.50	
Charles R. Allen	189.50	
Charles T. Bonney, Jr.	173.50	
Edwin H. Harris	185.50	
Clara E. Sherman	104.00	
Isabel S. Horr	51.00	

Mary C. Wiggin	14.00	
Marie Schwartz	34.00	
Lydia M. Sargent	2.00	1,001.00
Cedar Grove Street:—		
Will A. Charles	77.00	
Edward B. Gray	56.00	
Mellie G. Harding	54.00	
Annie G. Brawley	33.00	
Annie B. Gidley	24.00	
Alice Kelleher	55.50	
Isabella F. Winslow	31.50	
Amelia A. Murray	24.00	
Rose M. Meaney	33.00	
Susan Gifford	24.00	
Minnie H. Smythe	33.00	
Lizzie A. Fisher	22.50	
Mary R. Hinckley	57.00	
Abby R. Johnson	54.00	
Sylvia W. Paulding	55.50	
Carolyn S. Jones	57.00	
Nellie A. Walker	33.00	
Mabel A. Valentine	33.00	
Catherine A. McGuinness	57.00	
Elizabeth A. Dunn	57.00	
Dora A. DeWolf	55.50	
Mabel L. Hathaway	33.00	
Emma A. Eaton	24.00	
Cornelia R. Church	33.00	
Mary E. Gleason	57.00	
Jennie E. Gardner	9.00	
Katherine E. Kenyon	24.00	
Gillian M. Barnes	27.00	
Jennie T. Bolles	21.00	
Jane W. Stetson	21.00	
Ethel Pollard	15.00	
Carrie Hunt	15.00	
George Marsden	4.50	
Julia M. Pilling	1.50	
Bessie M. Noland	1.50	1,213.00
Fifth Street:—		
George H. Tripp	77.00	
Elwyn G. Campbell	56.00	
Sarah E. Stoddard	57.00	

Mary J. Graham	33.00	
Kate Moore	24.00	
Clara S. Vincent	55.50	
Helen McCoy	57.00	
Mary E. McAuliffe	33.00	
Julia M. Pilling	24.00	
Mary J. Read	31.50	
Julia C. Gifford	57.00	
Etta M. Abbott	55.50	
Nellie H. Cook	33.00	
Mary E. Cunningham	24.00	
Sara Peckham	57.00	
Catherine T. Johnson	31.50	
Jeannette B. Fuller	24.00	
Sarah A. Winslow	33.00	
Caroline E. Bonney	24.00	
Annie C. Hart	31.50	
Mary R. Dalton	24.00	
Ruth M. Tripp	54.00	
Florence A. Howland	24.00	
Regina M. Paul	6.00	
Lucy B. Fish	3.00	929.50
Parker Street:—		
Mary A. Kane	133.00	
N. Emma Slack	33.00	
Harriet J. Thorpe	24.00	
Ruby M. Tripp	57.00	
Sara L. Tallman	57.00	
Lucia E. Bliss	57.00	
Hannah E. Norton	57.00	
Mary F. Livingstone	33.00	
Margaret H. Holmes	57.00	
Sarah E. Kirwin	33.00	
Mary F. McIntyre	57.00	
Eudora K. Barry	22.50	
Helen L. Corish	46.50	
Gertrude L. Corish	7.50	
Peter Chagarooly	33.00	
Harriet L. Cornell	9.00	
Regina M. Paul	24.00	
Rose M. Meaney	24.00	
Minnie H. Smythe	24.00	
Harriet Taylor	24.00	812.50

Phillips Avenue:—		
Eliza G. M. Jenney	114.00	
Mary G. La Plante	57.00	
Helen T. Maxfield	57.00	
Nellie L. Foster	57.00	
Janie Foley	33.00	
Annie C. Maxfield	12.00	
Hannah J. Ardill	33.00	
Sarah A. Russ	57.00	
Kate Drew	22.50	
Theodore E. Dexter	9.00	
Amelia A. Murray	1.50	453.00
Thompson Street:—		
Joseph P. Kennedy	133.00	
Janet Hunter	57.00	
Clara M. Woodward	13.50	
Sarah A. Winslow	21.00	
Kate K. Whelden	57.00	
Emma L. Gartland	57.00	
Alice A. Taylor	57.00	
Helen G. Malley	57.00	
Annie F. Smith	57.00	
Mary V. Perry	57.00	
Cecilia A. Deane	57.00	
Agnes D. Allen	33.00	
Jane A. Alden	15.00	
Mary L. Rogers	57.00	
Mary E. Holden	24.00	
Mary E. Goggin	24.00	
Mary E. Bumpus	24.00	
James F. Briggs	24.00	
Nellie H. Cook	21.00	
Marguerite Gibson	21.00	
Mary A. Horan	18.00	884.50
Evening Drawing:—		
George H. Nye	180.00	
Katharine M. Crabtree	114.00	
Fred A. Reed	120.00	
Oliver H. Gardner	33.00	447.00
		$151,985.93
To transfer to balance		1,844.07
		$153,830.00

CR.

By appropriation	$78,830.00	
By transfer from "Unappropriated Funds"	50,000.00	
By special appropriation	25,000.00	$153,830.00

PUBLIC SCHOOLS—REPAIRS OF BUILDINGS.

DR.

Acushnet:—		
William H. Caswell	$5.05	
Charles F. Chase	48.71	
George W. Dexter	119.39	
C. L. Dunham	15.46	
Thomas Hersom & Co.	6.00	
Kern & Wright	36.30	
Herbert L. Weeks	2.25	
William R. West	48.15	281.31
Acushnet Avenue:—		
Jenney & Buffington	50.10	
Perry P. Jenney & Son	.46	
Kern & Wright	63.79	
T. J. Moriarty	25.86	
N. B. Boiler & Machine Co.	3.10	
Charles E. Peirce	41.74	
E. F. Penney	15.30	
William H. Rankin	32.25	232.60
I. W. Benjamin:—		
Patrick Connors	145.24	
Edward Hart, Jr.	5.00	
M. A. Hickey	59.12	
Highways and Streets	219.09	
Hillman, Washburn & Co.	7.00	
Joseph S. Lewis, Jr.	28.51	
John J. Meaney	.53	
T. J. Moriarty	3.03	
Nelson Brothers	25.40	
William N. Nelson	31.59	
John V. O'Neil	3.90	
Lettice R. Washburn & Son	4.58	
James H. Warren	50.00	582.99

Cannonville:—		
George A. Cobb	3 84	
Hillman, Washburn & Co.	5.62	9.46
Cedar Street:—		
Frank E. Bennett	2.10	
George E. Borden	18.15	
T. W. Chace & Co.	29.91	
C. L. Dunham	.75	
John H. Ennis	47.80	
Loum H. Faunce	23.24	
George E. Hatch	1.25	
Hillman, Washburn & Co.	15.25	
Joseph S. Lewis, Jr.	5.30	
Walter Martin	16.46	
N. B. Boiler & Machine Co.	164.94	
E. A. Remington	238.05	
John H. Ryan	17.30	
James L. Sherman	18.68	599.18
Cedar Grove Street:—		
Peter Black	6.01	
W. F. Desmond	2.07	
C. L. Dunham	54.15	
Elzeard Fournier	130.50	
Fournier & Nicholson	29.15	
Martin Gerraughty	62.80	
Highways and Streets	11.03	
Walter Martin	10.98	
Louis Therrien	14.65	
William R. West	6.00	327.34
Clark Street:—		
George A. Bosworth	26.93	
W. F. Desmond	105.50	
C. L. Dunham	20.53	
N. B. Boiler & Machine Co.	10.50	
Slocum & Kilburn	.90	
William R. West	97.25	261.61
J. H. Clifford:		
George A. Bosworth	123.00	123.00
Dartmouth Street:—		
Hillman, Washburn & Co.	2.93	
T. J. Moriarty	41.34	
John V. O'Neil	133.36	

D. Poirier	341.34	
James H. Warren	40.00	
Wood, Brightman & Co.	3.20	562.17
George H. Dunbar:—		
Peter Black	5.58	
M. A. Hickey	4.50	
H. A. Jahn	11.25	
John J. Meaney	53.65	
N. B. Boiler & Machine Co.	21.71	
Powers Regulator Co.	23.95	
Joseph P. Sylvia	10.65	
M. L. Sylvia	10.70	
James W. Welch	1.75	143.74
Fifth Street:—		
T. W. Chace & Co.	154.13	
D. L. Hathaway & Son	35.60	
Highways and Streets	3.92	
Jenney & Buffington	82.82	
Mrs. B. F. Lewis	5.87	
T. J. Moriarty	3.65	
E. F. Penney	1.93	
A. W. Perkins & Co.	17.60	
R. A. Sherman & Son	115.57	421.09
Thomas A. Greene;—		
Jenney & Buffington	33.39	
T. J. Moriarty	15.76	
N. B. Boiler & Machine Co.	6.78	
John C. Norcross	44.06	
E. F. Penney	17.82	
R. A. Sherman & Son	22.85	140.66
Harrington Memorial:—		
D. L. Hathaway & Son	73.89	
Joseph S. Lewis, Jr.	5.05	
William Lowe	10.75	89.69
High:—		
Mrs. B. F. Lewis	1.65	
N. B. Boiler & Machine Co.	11.50	
William E. Newman	11 94	
Packard Hardware Co.	22.39	
Charles S. Paisler	.60	
Charles E. Peirce	618.20	
William Peirce estate	13.25	

E. F. Penney	19.98	
James H. Warren	120.00	
George A. Wood	2.53	822.04
Sylvia Ann Howland:—		
George J. Allen	998.71	
Henry T. Bulman	11.34	
T. W. Chace & Co.	15.29	
S. C. Hunt	255.92	
Kern & Wright	2.87	
William E. Newman	37.31	
A. A Sanborn	1,262.00	
R. A. Sherman & Son	1.33	2,584.77
R. C. Ingraham:—		
M. L. Sylvia	12.65	12.65
H. A. Kempton:—		
Blossom Brothers	5.15	
Kern & Wright	14.55	19.70
Linden Street:—		
Thomas M. Chase	3.85	
William R. West	1.35	5.20
Merrimac Street:—		
E. D. Duerdin	45.00	
C. L. Dunham	55.24	
D. L. Hathaway & Son	23.99	
Arthur T. Landers	2.98	
John B. Sullivan & Son	8.05	
William R. West	12.35	147.61
Middle Street:—		
M. C. Ashley	17.35	
Kern & Wright	51.59	
Wood, Brightman & Co.	6.14	75.08
North:—		
M. C. Ashley	7.50	
C. L. Dunham	160.48	
D. L. Hathaway & Son	4.40	
Albert F. Spooner	2.40	
William R. West	2.73	177.51
Parker Street:		
George A. Bosworth	20.22	
C. L. Dunham	12.59	
George E. Hatch	17.75	

D. L. Hathaway & Son	22.05	
Mrs. B. F. Lewis	1.66	
Joseph S. Lewis, Jr.	81.44	
N. B. Boiler & Machine Co.	21.95	
N. B. Product Co.	20.00	
Antone Perry	13.00	
William R. West	6.90	150.96
Plainville:—		
Arthur T. Poole	3.00	
William A. Wilbur	.75	3.75
Phillips Avenue:—		
Francis T. Akin	118.06	
George A. Bosworth	3.15	
W. T. Desmond	2.05	
C. L. Dunham	4.80	
Fournier & Nicholson	2.75	
N. B. Boiler & Machine Co.	15.10	
David Warren	8.00	153.91
Rockdale:—		
Charles F. Chase	22.25	
George A. Cobb	6.68	28.93
School Committee:—		
E. S. Haskell	1.69	
Thomas Hersom & Co.	1.50	
Kern & Wright	28.20	
William H. Rankin	22.40	
R. A. Sherman & Son	33.42	87.21
South P. M. Church:—		
N. B. Product Co.	2.00	2.00
Spruce Street Christian Church:—		
N. B. Product Co.	2.00	2.00
William H. Taylor:—		
George A. Bosworth	3.15	
Hillman, Washburn & Co.	.50	
John J. Meaney	5.35	
Thomas J. Meaney	135.60	
T. J. Moriarty	7.41	
Edward Murphy	22.80	
N. B. Boiler & Machine Co.	5.70	
John V. O'Neil	17.11	
John F. Sylvia	8.75	
M. L. Sylvia	7.90	214.27

Thompson Street:—		
John J. Meaney	37.50	
Thomas J. Meaney	4.20	
William N. Nelson	23.64	
John V. O'Neil	53.12	
James H. Warren	48.00	166.46
Mary B. White:—		
J. W. Clifton	7.23	
William J. Cochrane	10.75	
C. L. Dunham	1.78	
John H. Ennis	32.17	
Louis Therien	15.78	
William R. West	3.40	71.11
		$8,500.00

Cr.

By appropriation	$8,500.00

REAL ESTATE TAX ACCOUNT.

Dr.

December 3, 1900. To balance	$880.95

Cr.

Receipts as per Treasurer's reports	$587.92	
December 2, 1901. Balance	293.03	$880.95

Dr.

December 2, 1901. To balance	$293.03

SALARIES.

Dr.

Charles S. Ashley, Mayor	$2,916.67	
James H. Hathaway, City Treasurer and Collector of Taxes	3,000.00	

Daniel B. Leonard, City Clerk	2,600.00	
William S. Cook, Assistant City Clerk	100.00	
Charles J. McGurk, City Auditor	1,600.00	
Benjamin B. Barney, City Solicitor	1,500.00	
William E. Brownell, City Physician	550.00	
Augustus D. Piper, City Messenger	850.00	
Cornelius A. Webb, City Bell Ringer	125.00	
John N. O'Brien, Sealer Weights and Measures	600.00	
William A. Mackie, Clerk Common Council	30.00	
Walter H. B. Remington, Clerk Common Council	270.00	
William B. Wood, Sup't City Clock	75.00	
Charles H. Cragen, Harbor Master	300.00	
Edmund O'Keefe, Inspector of Buildings	1,800.00	
Daniel C. Ashley, Inspector of Cattle, Milk, etc.	1,200.00	
Daniel D. Briggs, Supervisor of Wires	300.00	17,816.67
Board of Aldermen:—		
Henry P. Jenney	100.00	
Louis Z. Normandin	100.00	
Charles H. Brownell	100.00	
Charles H. Lawton	100.00	
George H. Hedge	100.00	
Charles E. Ellis	100.00	600.00
Board of Assessors:—		
Charles H. L. Delano	143.26	
Thomas F. Healy	1,369.26	
Charles F. Shaw	109.41	
William F. Bannon	990.51	
Horace Wood	987.56	3,600.00
Board of Health:—		
William G. Kirschbaum	500.00	
John T. Bullard	500.00	
Manuel V. Sylvia	500.00	1,500.00
Board of Registrars:—		
Willard N. Lane	365.00	
Emanuel Sullavou	365.00	
Charles T. Luce	365.00	
Daniel B. Leonard	300.00	1,395.00
License Commission:—		
Frank M. Sparrow	300.00	

Stephen D. Peirce	300.00	
John O'Neil	300.00	900.00
		$25,811.67

Cr.

By appropriation	$24,895.00	
By transfer to balance	916.67	$25,811.67

SCHOOLHOUSE — BLACKMER STREET.

Dr.

Benson & Bulman, contractors	$21,187.60

Cr.

December 3, 1900. By balance	$21,187.60

SCHOOLHOUSE, BLACKMER STREET, HEATING AND VENTILATING.

Dr.

A. A. Sanborn, contractor	$6,875.00	
December 2, 1901. To balance	1,000.00	$7,875.00

Cr.

December 3, 1900. By balance	$7,875.00

Cr.

December 2, 1901. By balance	$1,000.00

SCHOOLHOUSE, COGGESHALL STREET.

DR.

John B. Sullivan & Son, contractor		$30,884.20

CR.

December 3, 1900. By balance		$30,884.20

SCHOOLHOUSE, COGGESHALL STREET, HEATING AND VENTILATING.

DR.

A. A. Sanborn, contractor	$6,875.00	
December 2, 1901. To balance	1,000.00	$7,875.00

CR.

December 3, 1900. By balance		$7,875.00

CR.

December 2, 1901. By balance		$1,000.00

SCHOOLHOUSE, SHAWMUT AVENUE.

DR.

John B. Sullivan & Son, contractors		$10,070.81

CR.

December 3, 1900. By balance		$10,070.81

SCHOOLHOUSE, SHAWMUT AVENUE.

Dr.

Walworth Construction & Supply Co., contractors	$3,800.00	
December 2, 1901. To balance	1,048.00	$4,848.00

Cr.

December 3, 1900. By balance	$4,848.00

Cr.

December 2, 1901. By balance	$1,048.00

SCHOOLHOUSE LOT, BLACKMER STREET.

Dr.

Potomska Mills Corporation, land	$11,983.20	
Potomska Mills Corporation, taxes	128.78	$12,111.98

Cr.

December 3, 1900. By balance	$11,983.20	
By transfer from "Land Damages, widening South Second street"	32.40	
By transfer from "Unappropriated Funds"	96.38	$12,111.98

SCHOOLHOUSE LOT, BLACKMER STREET, REMOVING AND REFITTING BUILDINGS.

Dr.

Benson & Bulman, stock and labor	$1,450.00	
John F. Borden, moving	230.00	
Potomska Mills Corporation, stock and labor	93.05	$1,773.05

CR.

December 3, 1900. By balance	$1,608.00	
By transfer from "Unappropriated Funds"	165.05	$1,773.05

SEWERS—GENERAL ACCOUNT.

DR.

Pay rolls		$13,330.33
Edwin Allen, express	$ .35	
Eli Bence, prescriptions	13.00	
Harold L. Bond & Co., batteries	45.00	
William P. Briggs, repairs	2.50	
Cornelius Callahan Co., hose	99.00	
DeWolf & Vincent, lanterns	15.75	
Edson Mfg. Co., bolts and diaphraghms	104.21	
George A. Eggers, explosives	165.25	
Fairhaven Iron Foundry Co., castings	161.58	
Fichtenmayer & Flynn, blacksmithing	1.90	
James B. Hamlin, timber	44.10	
Hatch & Co., express	.75	
Highways and Streets, blacksmithing	285.65	
Highways and Streets, stock, labor and teaming	3,951.38	
Ingersoll-Serjeant Drill Co., supplies	102.70	
Milton H. Leonard, M. D., services	63.00	
S. C. Lowe, tools	290.50	
N. B. Boiler & Machine Co., water glasses	.60	
N. B. Co-operative Express Co., charges	.90	
N. B. Cordage Co., rope	16.04	
N. B. Water Works, labor and material	5.38	
N. B. Water Works, iron pipe	45.71	
N. B. Water Works, water for flushing	86.50	
N. Y., N. H. & H. R. R. Co., freight	.64	
S. S. Paine & Brother, brick, cement and pipe	3,054.54	
Charles S. Paisler, pipe	1,695.37	
Perren, Seamans & Co., braces	44.20	
C. G. & G. A. Randall, lumber	14.28	
William H. Rankin, air cock	.25	
C. G. Thompson, labor and material	2.23	

Alexander A. Tripp, hemp	3.00	
Frank S. Tripp, castings	5.74	
Wood, Brightman & Co., expansion rings	7.32	10,329.32
		$23,659.65
To transfer to balance		1,339.72
		$24,999.37

Cr.

By appropriation	$12,000.00	
By special appropriation	$5,000.00	
Receipts as per Treasurer's reports	7,999.37	$24,999.37

SEWER IN ADAMS STREET, 1050 FEET TO MOUNT PLEASANT STREET.

Dr.

Pay rolls		$1,114.52
General Sewers, stock, labor and teaming	$316.75	
Highways and Streets, stock, labor and teaming	31.36	
Highways and Streets, blacksmithing	59.28	
C. G. & G. A. Randall, timber,	37.84	445.23
		$1,559.75
Transfer to "Highways and Streets"	250.00	
To transfer to balance	290.25	540.25
		$2,100.00

Cr.

By special appropriation	$2,100.00

SEWER IN ALLEN STREET, FROM RURAL STREET TO CONNECT WITH GRAPE STREET SEWER.

Dr.

Pay rolls		465.77
General Sewers, pipe, cement, etc	$177.38	

Highways and Streets, labor and teaming	42.94	
N. B. Water Works, repairing pipe	3.16	223.48
		$689.25
To transfer to "Highways and Streets"		500.00
		$1,189.25
To transfer to balance		310.75
		$1,500.00

Cr.

By special appropriation	$1,500.00

SEWER, BOWDITCH AND DEANE STREETS.

Dr.

General Sewers, stock, labor and teaming	$242.68	
Highways and Streets, blacksmithing	7.32	$250.00

Cr.

By transfer from "Unappropriated Funds"	$250.00

SEWER, COGGESHALL STREET FROM BELLEVILLE AVENUE TO THE ACUSHNET RIVER.

Dr.

Pay rolls		$181.36
General Sewers, stock, labor, etc.	$1,472.94	
Highways and Streets, stock, labor, etc.	450.54	
S. S. Paine & Brother, pipe	39.90	
C. S. Paisler, pipe	1,003.45	2,966.83
		$3,148.19
To transfer to balance		1.81
		$3,150.00

Cr.

By special appropriations	$3,150.00

SEWER, DAVID STREET, FROM BROCK AVENUE TO CLARK'S COVE.

Dr.

Pay rolls		$1,022.47
General Sewers, stock, labor, etc.	$334.18	
Highways and Streets, stock, labor, etc.	108.93	
S. S. Paine & Brother, cement	31.05	474.16
		$1,496.63
To transfer to "Highways and Streets"		250.00
		$1,746.63
To transfer to balance		3.37
		$1,750.00

Cr.

By special appropriation	$1,750.00

SEWER, DEANE STREET EXTENSION.

Dr.

Pay rolls		$107.05
General Sewers, stock, labor, etc.	$27.94	
Highways and Streets, stock, labor, etc.	7.61	35.55
		$142.60
To transfer to "Sewer, Summer Street, No. 5"	13.64	
To transfer to "Sewer, Merrimac Street"	14.64	28.28
To transfer to balance		29.12
		$200.00

CR.

By special appropriation	$200.00

SEWER, JENNEY LIND STREET, FROM KEMPTON STREET TO NORTH OF HILLMAN STREET.

DR.

Pay rolls		$346.45
General Sewers, cement, pipe, etc.	$139.41	
Highways and Streets, stock, labor, etc.	33.45	172.86
		$519.31
To transfer to "Highways and Streets"	1,000.00	
To transfer to balance	480 69	1,480.69
		$2,000.00

CR.

By special appropriation	$2,000.00

SEWER, LIBERTY STREET, BETWEEN HILLMAN AND MAXFIELD STREETS.

CR.

By transfer from "Unappropriated Funds"	$2,200.00

CR.

December 2, 1901. By balance	$2,200.00

SEWER, LOMBARD STREET, FROM THOMPSON STREET NORTH 240 FEET.

DR.

Pay rolls		$202.67
General Sewers, stock and labor	$86.08	
Highways and Streets, stock, labor, etc.	10.64	96.72
		$299.39
To transfer to balance		200.61
		$500.00

CR.

By special appropriation	$500.00

SEWER, MERRIMAC STREET, BETWEEN COTTAGE AND CHESTNUT STREETS.

DR.

Pay rolls	$127.80
Highways and Streets, stock, labor, teaming	86.84
	$214.64

CR.

By special appropriation	$200.00
By transfer to balance	14.64
	$214.64

SEWER, MILL STREET FROM ROCKDALE AVENUE TO KEMPTON STREET, AND IN KEMPTON STREET TO JENNY LIND STREET.

DR.

Pay roll	$1.13
Highways and Streets, blacksmithing	9.78
	$10.91

To transfer to balance	265.24
	$276.15

Cr.

December 3, 1900. By balance	$276.15

SEWER, PALMER STREET, FROM ELM STREET TO COURT STREET.

Dr.

General Sewers, cement, pipe, etc.	$333.64
Highways and Streets, stock, labor, etc.	14.51
	$348.15
To transfer to balance	251.85
	$600.00

Cr.

By special appropriation	$600.00

SEWER, PENNIMAN STREET, No. 1, REYNOLDS STREET TO CLARK STREET.

Dr.

To transfer to "Sewer, Penniman Street, No. 2"	$700.00

Cr.

By special appropriation	$700.00

SEWER, PENNIMAN STREET, No. 2, MYRTLE STREET TO COUNTY STREET.

Dr.

Pay roll		$883.71
David Duff & Son, coal	$10.12	
General Sewers, stock and labor	175.25	
Highways and Streets, stock, labor, etc.	95.90	
N. B. Water Works, labor and material	2.46	283.73
		$1,167.44
To transfer to balance		332.56
		$1,500.00

Cr.

By transfer from "Sewer, Penniman Street, No. 1"	$700.00	
By transfer from "Unappropriated Funds"	800.00	$1,500.00

SEWER, SAWYER STREET, 200 FEET INTO THE ACUSHNET RIVER.

Dr.

Pay rolls		$2,989.39
E. Anthony & Sons, advertising	$1.67	
William Baylies, bags	.90	
Bliss & Nye, lamps	1.48	
George B. Borden, spiles	452.80	
DeWolf & Vincent, hardware and tools	60.66	
David Duff & Son, coal	74.25	
General Sewers, stock, etc.	74.54	
Greene & Wood, timber	1,164.34	
Jonathan Handy Co., iron and bolts	130.80	
N. P. Hayes, screen and basket	1.30	
Highways and Streets, stock, etc.	1,023.39	
P. P. Jenney & Son, filing saws	2.50	
George E. Kent, pile driving and towing	182.00	
S. C. Lowe, tools	6.25	

Mercury Publishing Co., advertising	1.75	
N. B. Boiler & Machine Co., stock and labor	19.52	
Peter Nelson, boat hire	2.40	
N. B. Water Works, service	14.00	
S. S. Paine & Brother, brick, cement and pipe	1,123.26	
A. W. Perkins & Co., sand	38.30	
E. H. Pierce, belt hooks	.54	
C. G. & G. A. Randall, timber,	212.62	
Schuler Brothers, rubber boots	52.00	
J. B. Sherman, use of stage	11.90	
Wood, Brightman & Co., stock and labor	24.71	
A. H. Wordell, saw handles	1.35	4,679.23
		$7,668.62
To transfer to balance		49.26
		$7,717.88

Cr.

By special appropriation	$7,000.00	
By transfer from "Unappropriated Funds"	700.00	
Receipts as per Treasurer's reports	17.88	$7,717.88

SEWER, SUMMER STREET, No. 4, FROM POPE STREET NORTH ABOUT 213 FEET.

Dr.

Pay rolls		$223.34
General Sewers, stock, labor and teaming	$64.36	
Highways and streets, blacksmithing	7.67	
Highways and Streets, stock, labor and teaming	6.19	78.22
		$301.56
To transfer to balance		23.44
		$325.00

Cr.

By special appropriation	$325.00

SEWER, SUMMER STREET, No. 5, FROM LOCUST STREET NORTH ABOUT 250 FEET.

DR.

Pay rolls		$288.52
General Sewers, stock, labor, etc.	$82.76	
Highways and Streets, blacksmithing	7.67	
Highways and Streets, stock, labor, etc.	9.69	100.12
		$388.64

CR.

By special appropriation	$375.00	
By transfer from "Unappropriated Funds"	13.64	$388.64

SINKING FUNDS.

DR.

Commissioners of Sinking Funds	$101,589.70

CR.

By appropriation	$101,589.70

SYLVIA ANN HOWLAND SCHOOL, HEATING AND PLUMBING, ALTERATIONS AND REPAIRS.

DR.

George J. Allen	$3,405.48	
N. B. Gas & Edison Light Co.	143.82	
N. B. Water Works	50.70	
A. A. Sanborn	1,400.00	$5,000.00

CR.

By special appropriation	$5,000.00

TEMPORARY LOAN.

Dr.

Commissioners of Sinking Funds	$75,000.00	
N. B. Five Cents Savings Bank	326,000.00	
N. B. Institution for Savings	312,000.00	
Rogers, Newman & Tolman	250,000.00	$963,000.00
December 2, 1901. To balance		475,000.00
		$1,438,000.00

Cr.

December 3, 1900. By balance	$200,000.00	
Receipts as per Treasurer's reports	1,238,000.00	$1,438,000.00

Cr.

December 2, 1902. By balance	$475,000.00

TEXTILE SCHOOL.

Dr.

Isaac B. Tompkins, Jr., Treasurer	$7,000.00

Cr.

By special appropriation	$7,000.00

TRUST FUNDS.

Cr.

By Sylvia Ann Howland Free Public Library Fund:—	
One-half of the bequest of Sylvia Ann Howland for the support of liberal educafion and Free Public Library	$50,000.00

By Sylvia Ann Howland Educational Fund:—	
One-half of the bequest of Sylvia Ann Howland for the support of liberal education and Free Public Library	50,000.00
By George Howland, Jr., Fund:—	
Donation to Free Public Library	1,600.00
By Charles W. Morgan Fund:—	
Bequest to Free Public Library	1,000.00
By Oliver Crocker Fund:—	
Bequest to Free Public Library	1,000.00
By James B. Congdon Fund:—	
Donation to Free Public Library	500.00
By Jonathan Bourne Prize Fund:—	
Donation to School Committee	1,000.00
By George O. Crocker Fund:—	
Bequest to Free Public Library	10,000.00
By Elizabeth T. Wood:—	
Bequest to Free Public Library	2,000.00
	$117,100.00

UNAPPROPRIATED FUNDS.

Dr.

To Transfer to:—	
Appropriations, General, 1896	$24,845.28
Appropriations, Special, 1901	60,355.31
Armories and Military Property	124.88
Board of Health	1,017.59
City Property	428.48
Com. of Mass., Chap. 447 of 1890	1,688.09
Court Judgments	90.32
Engineering Department	621.76
Engineering Department, for tides investigation	1,200.00
Highways and Streets	1,880.98
Incidentals	1,307.49
Incidentals, Memorial Day	850.00

Land Damages, widening Kempton street	1,300.00	
Park Commission	5,000.00	
Pingree Plan	89.12	
Poor Department	2,046.08	
Public Baths	1,000.00	
Public Debt	3,862.58	
Public Schools, furnishings, etc.	13,000.00	
Public Schools, pay of teachers	50,000.00	
Salaries	916.67	
Schoolhouse lot, Blackmer street	96.38	
Schoolhouse lot, Blackmer street, moving buildings	165.05	
Sewer, Bowditch and Dean streets	250.00	
Sewer, Liberty street	2,200.00	
Sewer, Penniman street, No. 2	800.00	
Sewer, Sawyer street	700.00	$175,836.06

CR.

By receipts as per Treasurer's reports	$160,224.72	
By department transfers	15,611.34	$175,836.06

WOMEN'S WARD AND HOSPITAL AT THE CITY ALMSHOUSE, CONSTRUCTION.

CR.

By special appropriation	$11,975.00

CR.

December 2, 1901. By balance	$11,975.00

WOMEN'S WARD AND HOSPITAL AT THE CITY ALMSHOUSE, HEATING AND VENTILATING.

CR.

By special appropriation	$2,673.00

Cr.

December 2, 1901. By balance	$2,673.00

WOMEN'S WARD AND HOSPITAL AT THE CITY ALMSHOUSE, PLANS AND SPECIFICATIONS.

Dr.

Samuel C. Hunt, architect	$512 68

Cr.

By special appropriation	$512.68

BALANCE OF PUBLIC PROPERTY.

Cr.

December 3, 1900. By balance	$1,589,013.26	
Bonds paid	113,000.00	
Public Property, other than Water Works	210,211.00	
Public Property, N. B. Water Works, further supply	13,568.00	
Sinking Fund Commissioners	81,663.57	$2,007,455.83

Cr.

December 2, 1901. By balance	$2,007,455.83

PUBLIC PROPERY.

Dr.

December 3, 1900. To balance	$4,664,024.00	
Increase in valuation over 1900	223,779.00	$4,887,803.00

DR.

To balance		$4,887,803.00

SINKING FUND COMMISSIONERS.

DR.

December 3, 1900.	To balance	$843,989.26	
Increase in funds since 1900		81,663.57	$925,652.83

DR.

December 2, 1901.	To balance	$925,652.83

BONDS.

DR.

Bonds paid		$113,000.00	
December 2, 1901.	To balance	3,706,000.00	$3,819,000.00

CR.

December 3, 1900.	By balance	$3,819,000.00

CR.

December 2, 1901.	Balance	$3,706,000.00

BONDS OF THE CITY

TITLES, RATES, AMOUNTS DUE

Due.	Water 7s.	Water 6s.	Water 5s.	Water 4s.	Water 3½s.	Improvement 6s.	Improvement 4s.
1902	$10,000		$20,000			$10,000	$50,000
1903	10,000		20,000			10,000	162,000
1904	10,000		20,000			10,000	113,000
1905	10,000	$20,000				10,000	
1906	10,000	20,000				10,000	
1907	10,000	20,000				10,000	172,000
1908	10,000	20,000				10,000	
1909	10,000	20,000				12,000	
1910						28,000	
1911							
1912							
1913							
1914							
1917							
1918				$20,000			
1919							
1920							
1924				320,000			
1925							
1926				400,000			
1927				600,000			
1928							
1929							
1930					$48,000		
1942							
	$80,000	$100,000	$60,000	$1,340,000	$48,000	$110,000	$497,000

Overdue bonds unpresented:—

1894.	Improvement 6s.	$1,000.00
1898.	" "	5,000.00
		$6,000.00

OF NEW BEDFORD.

ANNUALLY AND TOTALS.

Improvement 3½s.	Sch. house and other public buildings 4s.	Sch. house and other public buildings 3½s.	Sewers 4s.	Sewers 3¼s.	Park Loan 4s.	Wharf 4s.
				$60,000		
				15,000		
$62,000			$35,000			
108,000			43,000			
			48,000			
			57,000			
			100,000			
			108,000			
			32,000			
	$128,000					
		$92,000				
		30,000				
		200,000				
			58,000			
			69,000			$52,000
				35,000		
				33,000		
					$100,000	
$170,000	$128,000	$322,000	$550,000	$143,000	$100,000	$52,000

Total bonded debt, including overdue unpresented bonds $3,706,000.00

INTEREST PAYABLE IN 1902 ON THE PRESENT BONDED DEBT.

$80,000.00	Water bonds at 7 per cent.	$5,600.00
100,000.00	Water bonds at 6 per cent.	6,000.00
60,000.00	Water bonds at 5 per cent.	3 000.00
1,340,000.00	Water bonds at 4 per cent.	53,600.00
48,000.00	Water bonds at 3½ per cent.	1,680.00
110,000.00	Improvement bonds at 6 per cent.	6,600.00
447,000.00	Improvement bonds at 4 per cent.	17,880.00
50,000.00	Improvement bonds at 4 per cent., 6 months	1,000.00
170,000.00	Improvement bonds at 3½ per cent.	5,950.00
128,000.00	Schoolhouse bonds at 4 per cent.	5,120.00
322,000.00	Schoolhouse bonds at 3½ per cent.	11,270.00
550,000.00	Sewer bonds at 4 per cent.	22,000.00
143,000.00	Sewer bonds at 3½ per cent.	5,005.00
100,000.00	Park bonds at 4 per cent.	4,000.00
28,000.00	Park bonds at 3½ per cent., 6 months	490.00
52,000.00	Wharf bonds at 4 per cent.	2,080.00
$3,728,000.00		$151,275.00

THE FOLLOWING TABLE SHOWS THE AMOUNT OF TAXES LEVIED IN THIS CITY SINCE 1882, AND THE RATE PER THOUSAND, FOR STATE, COUNTY AND CITY PURPOSES; ALSO THE NUMBER OF POLLS.

Year.	Valuation of Real Estate.	Valuation of Personal Property.	State Tax.	County Tax.	City Tax.	Overlay.	No. of Polls.	Rate of Tax.
1882	$14,138,300	$13,974,587.00	$29,160	$25,689.88	$434,200	$17,605.64	7,340	$17.50
1883	15,109,300	15,180,305.00	25,770	29,468.95	452,400	16,614.41	7,694	16.80
1884	15,635,900	15,718,182.00	34,360	26,668.72	462,700	13,031.04	8,141	16.60
1885	16,293,800	15,104,090.00	27,770	27,735.50	457,950	17,028.11	8,349	16.30
1886	16,778,900	15,416,695.50	27,015	33,883.77	456,300	15,328.18	8,699	16.00
1887	17,372,600	15,309,658.00	40,522½	38,485.28	489,700	18,075.50	9,056	17.40
1888	18,023,700	15,430,647.00	40,522½	41,274 10	486,411	19,364.29	9,424	17.00
1889	18,928,000	15,718,866.00	34,700	51,476.17	508,600	17,642.91	9,972	17.10
1890	20,041,700	16,829,154.00	30,362½	50,632.30	519,300	22,120.12	10,710	16.30
1891	20,959,300	17,559,643.00	26,025	47,819.40	550,200	26,134.37	11,160	16.30
1892	22,094,300	18,179,813.00	31,377	51,410.26	606,700	27,976.39	11,861	17.30
1893	25,344,300	19,130,798.00	44,825	57,699.11	673,689	28,077.05	12,988	17.50
1894	31,835,500	19,599,425.00	35,860	67,796 46	699,176	25,711.57	13,080	15.60
1895	31,984,150	20,658,600.00	30,915	78,760.33	698,545	31,077.76	14,300	15.40
1896	33,920,700	22,360,417.00	36,067½	85,061.14	745,800	30,750.56	15,475	15.40
1897	35,595,800	22,575,978.00	36,067½	63,008.25	840,239	34,002 38	15,467	16.20
1898	35,871,525	21,480 601.00	31,905	115,007.51	943,251	41,693.30	15,348	19.20
1899	35,558,755	20,548,663.00	31,905	95,839.60	939,635	40,378.38	15,248	19.20
1900	35,762,290	22,122,162.50	31,905	93,922.80	909,343	15,345.49	15,875	17.60
1901	36,170,900	26,725,150.00	34,685	89,306.99	976,099	26,905.41	16,303	17.40

Average tax rate for twenty years, $16.90.

CITY OF NEW BEDFORD,
IN COMMITTEE ON FINANCE,
March 20, 1902.

The sub-committee appointed to appraise the city property and to prepare a schedule thereof, respectfully report the same as follows:—

Armories and Military Property:—		
Rifle range, Tarkiln hill	$2,000.00	
Two brass field pieces	1,300.00	$3,300.00
Board of Assessors:—		
Sundries as per inventory	1,150.00	1,150.00
Board of Health:—		
Small pox hospital	1,000.00	
Old almshouse and outbuildings	1,500.00	
Furniture in hospital	1,000.00	
Office furniture, fumigators, etc.	850.00	4,350.00
Board of Public Works:—		
City stables and lot	45,400.00	
Sundries as per inventory	51,234.00	96,634.00
Cemetery Board:—		
Oak Grove Cemetery	40,830.00	
Pine Grove Cemetery	800.00	
Rural Cemetery	132,858.00	
Receiving tomb, Rural Cemetery	5,267.00	
Old burying ground, So. Second street	9,586.00	
Sundries as per inventory	4,736.00	194,077.00
Department of Wharves:—		
Rotch's Wharf	22,000.00	
Taber's Wharf	30,000.00	52,000.00
Engineering Department:—		
Sundries as per inventory	2,200.00	2,200.00

Fire Department:—		
No. 1, Engine house and lot, Purchase st.	13,590.00	
No. 2, " " " " " "	21,220.00	
No. 4, " " " " Bedford st.	16,009.00	
No. 5, " " " " Hillman st.	33,570.00	
No. 6, " " " " Fourth st.	13,000.00	
No. 7, " " " " Durfee st.	16,966.00	
No. 8, " " " " Acush. ave.	26,410.00	
No. 9, " " " " " "	1,200.00	
Steam fire engine, No. 1	3,000.00	
" " " " 2	3,000.00	
" " " " 4	3,000.00	
" " " " 5	3,500.00	
" " " " 6	3,000.00	
" " " " 7	3,300.00	
" " " " 8	3,500.00	
" " " Reserve	3,500.00	
Chemical Wagon	1,750.00	
Nine hose wagons	3,800.00	
Hand engine, No. 9	500.00	
Hook and ladder truck, No. 1	3,200.00	
" " " " No. 2	3,000.00	
" " " " No. 3	3,000.00	
" " " " Old	500.00	
Eighteen thousand feet of hose	9,000.00	
Ten wagons	3,000.00	
Forty-five horses and harnesses	9,000.00	
Fire alarm telegraph system	20,000.00	
Sundries	2,500.00	227,015.00
Free Public Library:—		
Land and building	131,839.00	
Books, etc., in library	60,000.00	
Furniture and fixtures in city offices	1,500.00	193,339.00
New Bedford Water Works:—		
Old plant	1,200,000.00	
Cost of works for further supply	1,317,058.00	2,517,058.00
Park Commission:—		
Buttonwood Park	32,665.00	
Brooklawn Park	31,450.00	
City Common	85,000.00	
Grove Park	8,826.00	
Hazlewood Park	28,000.00	
Triangle Park	600.00	
Sundries as per inventory	8,100.00	194,641.00

Police Department:—		
Police station, Blackmer street	13,504.00	
" " Kempton street	22,603.00	
" " South Second street	15,700.00	
" " Weld street	12,158.00	
" " Willis	3,043.00	
Police stable, South Second street	4,368.00	
Police signal system	8,000.00	
Horses, carriages and harnesses	1,620.00	
Sundries as per inventory	1,414.00	82,410.00
Poor Department:—		
Almhouse, outbuildings and land	98,000.00	
Furniture and fixtures in almshouse	2,550.00	
Farming and mechanics' tools	50.00	
Tedders, horse rakes, spreaders, etc.	250.00	
Carts, carriages, gears, etc.	635.00	
Horses, cattle, swine and poultry	1,990.00	
Hay, grain and provisions	1,620.00	
Wood and coal shed, North and Second streets	3,000.00	
Wood and coal in shed	75.00	108,170.00
Public buildings, land, etc.:—		
Bathing houses, East French avenue	1,600.000	
Building and land, High and Foster streets	2,000.00	
City Hall and land	141,466.00	
Land, Hillman, Lindsey and North streets,	6,764.00	
Land, foot of Howland street	4,500.00	
Land, Kempton and Reed streets	2,257.00	
Land, Rockdale avenue and Kempton street	113.00	
South pound lot	800.00	
Ward room and land, Fourth street	1,400.00	
" " " " Rivet and Briggs streets	2,350.00	
Old police station, West Mill street	100.00	
Standard weights and measures	500.00	163,850.00
Public schools, land and buildings:—		
Acushnet	7,500.00	
Acushnet avenue	49,966.00	
Blackmer street	81,352.00	
Brock avenue	44,977.00	

Cannonville	1,665.00	
Cedar street	7,063.00	
Cedar Grove street	35,932.00	
Clark street	37,847.00	
Coggeshall street	75,985.00	
Dartmouth street	17,106.00	
Division street	33,875.00	
Dunbar street	45,037.00	
Fifth street	35,898.00	
Court street	54,503.00	
Kempton street	65,100.00	
Linden street	2,684.00	
Madison street	66,089.00	
Maxfield street	25,068.00	
Merrimac street	18,113.00	
Middle street	35,035.00	
Parker street	50,226.00	
Phillips avenue	47,561.00	
Plainville	1,000.00	
Rockdale	1,254.00	
Shawmut avenue	41,394.00	
Summer street	113,388.00	
North	2,000.00	
Thompson street	37,800.00	
Truant	1,500.00	
William street	5,191.00	1,042,109.00
Street Light Department:—		
Gas and naphtha lamp posts	5,500.00	5,500.00
		$4,887,803.00

RECAPITULATION.

Armories and Military Property	$3,300.00
Board of Assessors	1,150.00
Board of Health	4,350.00
Board of Public Works	96,634.00
Cemetery Board	194,077.00
Department of Wharves	52,000.00
Engineering Department	2,200.00
Fire Department	227,015.00

Free Public Library	193,339.00	
New Bedford Water Works	2,517,058.00	
Park Commission	194,641.00	
Police Department	82,410.00	
Poor Department	108,170.00	
Public buildings, land, etc.	163,850.00	
Public schools, land and buildings	1,042,109.00	
Street Light Department	5,500.00	$4,887,803.00

ROBERT COOKE,
CHAS W. JONES,
FRANCIS P. WASHBURN,
Committee.

AUDITOR'S TRIAL BALANCE.

DECEMBER 2, 1901.

Dr.

Appropriations, general, 1901	$55,946.42	
" " 1900	11,494.55	
" " 1898	10,156.85	
" " 1897	16,436.38	
" special, 1901	203,383.12	
" " 1900	188,188.43	
City Treasurer, balance of cash	67,398.56	
Com. of Mass., Chap. 279 of 1896	791.75	
" " " " 372 of 1899	1,252.89	
" " " " 374 of 1899	10,652.53	
Public property	4,887,803.00	
Real estate tax account	293.03	
Sinking funds	925,652.83	$6,379,450.34

Cr.

Balance of public property	2,007,455.83	
Bonds	3,706,000.00	
Board of Health, laboratory	967.48	
Cemeteries, sale of lots	239.80	

Cemetery funds	26,734.93	
Department of Wharves	259.49	
Engineering Department, tides investigation	1,200.00	
Free Public Library, dog fund	1,141.04	
Free Public Library, Trustees of		
James B. Congdon fund	127.66	
George O. Crocker fund	517.26	
Oliver Crocker fund	159.06	
George Howland, Jr., fund	333.68	
Sylvia Ann Howland fund	1,186.15	
Charles W. Morgan fund	166.24	
Charles L. Wood fund	208.18	
Reading Room fund	370.69	
Land Damages, Acushnet ave., No. 4	3,044.75	
N. B School Committee, Howland fund	630.76	
N. B. Water Works	11,368.74	
" " " further water supply	3,322.14	
Public Schools, dog fund	2,020.46	
Schoolhouse, Blackmer street, heating, etc.	1,000.00	
" Cogggeshall " " "	1,000.00	
" Shawmut avenue " "	1,048.00	
Sewer, Liberty street	2,200.00	
Temporary loan	475,000.00	
Trust funds	117,000.00	
Women's Ward and Hospital, construction	11,975.00	
" " " " heating, etc.	2,673.00	$6,379,450.34

We have examined the foregoing and find the same correct.

WM. E. SMITH,
ROBERT L. BAYLIES,
SAMUEL HIGHAM.

Sub-committee of the Joint Standing Committee on Finance, appointed to examine the books and accounts of the City Treasurer and City Auditor.

Approved:

HENRY P. JENNEY,
CHAS. H. BROWNELL,
ROBERT COOKE,
PATRICK H. REARDON,
CHARLES S. COOMBS,
Committee on Audit.

In Board of Aldermen,
April 24, 1902.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

In Common Council,
April 24, 1902.

Concurred.

W. H. B. REMINGTON, Clerk.

ANNUAL REPORT

OF THE

COLLECTOR OF TAXES

FOR THE YEAR 1901.

STATEMENT

OF THE

COLLECTOR OF TAXES.

CITY OF NEW BEDFORD, MASS.,
COLLECTOR'S OFFICE,
December 2, 1901.

To the City Council of the City of New Bedford:

GENTLEMEN:—Herewith I present to you my account as Collector of Taxes of the City of New Bedford for the year ending at this date, including also an account of the receipts from the Commonwealth of Massachusetts for Corporation and other taxes.

STATEMENT FROM 1898 TO 1900 INCLUSIVE.

YEAR.	UNPAID DEC., 1900.	PAID AND REMITTED.	UNPAID DEC. 2, 1901.
1898	$8,960.73	$239.42	$8,721.31
1899	24,309.58	17,325.18	6,984.40
1900	65,972.65	44,275.49	21,697.16
	$99,242.96	$61,840.09	$37,402.87

TAXES OF 1901.

CHARGES.

State tax	$34,685.00	
County tax	89,306.99	
City appropriations	976,099.70	
Overlay	26,905.41	$1,126,997.10

PAYMENTS.

State Treasurer, State tax	$34,685.00	
County Treasurer, County tax	89,306.99	
City Treasurer, City appropriations	920,153.28	
Abatements	8,400.48	
Balance, unpaid Dec. 2, 1901	74,451.35	$1,126,997.10

About $93\frac{4}{10}$ per cent. of the tax levy of 1901 has been collected to this date.

Balance of taxes of 1901 unpaid	$74,451.35
Balance of appropriations of 1901	55,946.42
Excess, December 2, 1901	$18,504.93

At least one-half of one per cent. of the taxes levied may be considered to be uncollectable, due mostly to the poverty or absence from the city of many of those who have been assessed. The excess, $18,504.93, for 1901, will be more than ample to provide for this, and leave about $12,000, to be placed in the treasury.

The uncollected taxes of 1900 are $10,202.61 in excess of the balance of appropriations of that year. This will be sufficient to provide for the uncollectable taxes, when the account is closed, and leave a balance of $5,000, beyond our requirements.

Total number of polls assessed for 1901	16,492
Collected to date	13,302
Unpaid at this date	3,190

This is $80\frac{66}{100}$ per cent. of the total number assessed for 1901. At least 10 per cent. more will be collected through warrants that have been placed in the hands of deputy collectors.

Of the taxes of 1899 collections have been made more than sufficient to provide for the appropriations general of that year, the excess amounting to $2,874.92, having been placed to the credit of unappropriated funds, as shown in the City Treasurer's report for this year.

The receipts in 1901, for corporation and other taxes, from the Commonwealth of Massachusetts, were as follows, viz.:

Corporation taxes	$60,862.82	
Street railway tax	10,614.34	
Non-resident National Bank taxes	2,473.84	
Non-resident National Bank taxes in excess of the Assessors' return to State	417.14	
Tax on ships in foreign trade	35.02	$74,403.16

This amount, $74,403.16, was placed to the credit of unappropriated funds, as shown in the City Treasurer's account.

Respectfully submitted,

JAMES H. HATHAWAY,
Collector of Taxes.

We, the undersigned, have examined the foregoing statement of the Collector of Taxes, and find it to be correct.

WM. E. SMITH,
ROBERT L. BAYLIES,
SAMUEL HIGHAM,

Sub-committee of the Joint Standing Committee on Finance, appointed to examine the accounts of the City Treasurer, Collector of Taxes and City Auditor.

IN BOARD OF ALDERMEN,
April 24, 1902.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,
April 24, 1902.

Concurred.

W. H. B. REMINGTON, Clerk.

ANNUAL REPORT

OF THE

CITY TREASURER

FOR THE YEAR 1901.

REPORT.

CITY OF NEW BEDFORD, MASS.,
TREASURER'S OFFICE,
December 2, 1901.

To the City Council of the City of New Bedford:

GENTLEMEN:—As required by the Ordinances of the City, I herewith present a statement of my accounts as City Treasurer for the financial year ending at this date.

Very respectfully yours,

JAMES H. HATHAWAY,
City Treasurer.

RECEIPTS.

INCLUDING BALANCE DEC. 3, 1900.

Balance,	$50,911.26

APPROPRIATIONS GENERAL, 1896.

From Collector, taxes of 1896	184.94

APPROPRIATIONS GENERAL, 1897.

From Collector, taxes of 1897	51.84

APPROPRIATIONS GENERAL, 1898.

From Collector, taxes of 1898	52.80

APPROPRIATIONS GENERAL, 1899.

From Collector, taxes of 1899	14,415.10

APPROPRIATIONS GENERAL, 1900

From Collector, taxes of 1900	44,275.49

APPROPRIATIONS GENERAL, 1901.

From Collector, taxes of 1901	920,153.28

BOARD OF HEALTH.

Southern Mass. Telephone Co., 2nd audit	5.63

BOARD OF HEALTH—CONTAGEOUS DISEASES.

E. F. Cody, M. D., overcharge on bill	400.00

CEMETERIES—CARE OF LOTS.

Received from sundry parties and sources, as follows:—		
Cemetery Funds, for permanent care	$1,521.88	
Savings Banks, deposits for same	817.47	
Rural Cemetery	4,428.35	
Oak Grove Cemetery	4,012.86	
Pine Grove Cemetery	216.43	10,996.99

CEMETERIES—SALE OF LOTS.

Received from sundry parties for lots sold, as follows:—		
Rural Cemetery	$2,095.00	
Oak Grove Cemetery	1,937.00	
Pine Grove Cemetery	150.00	4,182.00

CITY PROPERTY.

Lyman K. Reed, 2nd audit	16.19

COMMONWEALTH OF MASSACHUSETTS, CHAPTER 374.

From State Treasurer, State aid to January 1, 1900	10,969.00

COMMONWEALTH OF MASSACHUSETTS, CHAPTER 372.

From State Treasurer, Military Aid to January 1, 1900	1,467.82

COMMONWEALTH OF MASSACHUSETTS, CHAPTER 279.

From State Treasurer, burial of soldiers and sailors	700.00

DEPARTMENT OF WHARVES.

Receipts from sundry sources, as follows:	
F. T. Akin & Co., wharfage	$8.50
J. F. Avery, wharfage	4.80
Sch. Jessie Barlow, dockage	23.00
Sch. C. P. Barrell, wharfage	1.50
Sch. Lottie Beard, wharfage	107.25
Bk. Bertha, water and dockage	146.92
A. E. Bowker, wharfage	2.00
Sch. Mary Brewer, dockage	14.00
Tug Buccaneer, water	11.00
Sch. A. C. Buckley, dockage	71.18
Cabin Club, rent	175.00
J. G. Childs & Son, rents, etc.,	145.00
City Coal Co., wharfage	26.10
Sch. L. Cochran, dockage	10.00
Cole Brothers, water	69.00
Sch. E. B. Conwell, wharfage	9.76
Sch. Delaware, wharfage	16.68
U. S. S. Dexter, water	72.00
David Duff & Son, wharfage	21.60
Sch. Genevieve, dockage	15.00
E. B. Flanders, wharfage	6.00

Tug Gertrude, water	10.00
Lot H. Gibbs, dockage	40.74
Sch. Golden City, water, etc.	51.60
Sch. R. S. Grayham, storage, etc.	102.83
Sch. W. A. Frazier, water, etc.	20.00
Bark Greyhound, wharfage	20.20
Hawley Box Co., wharfage	5.00
George S. Homer, storage	6.00
Sch. Horatio, wharfage	109.77
Yacht Indolent, water, etc.	32 00
Sloop Jennie, dockage	6.00
Thomas Johnson, dockage	2.50
Bark Kathleen, wharfage	7.95
Daniel Kelleher, rents	49.92
Brig Leonora, water, etc.	65.00
U. S. Steamer Lexington, water, etc.	20.00
Tug Mars, water	7.00
Sch. Meteor, water	2.00
Thomas H. Mills, rents	25.00
Tug F. W. Munn, water	6.00
J. F. Murphy, rents	100.00
U. S. S. Myrtle, water, etc.	44.30
National Fertilizer Co., wharfage	7.00
Yacht Nerita, water	5.00
N. B. Cordage Co., wharfage	44.54
N. B. Fish Co., dockage	265.00
N. B., M. V. & N. Steamboat Co., water	257.25
Yacht Orinda, dockage	5.00
S. S. Paine & Brother, wharfage	41.90
Sch. Pedro Verelo, wharfage, etc.	10.77
P. & R. Coal & Iron Co., wharfage	3.10
Bark Platina, wharfage	45.60
William F. Potter & Co., rents	922.00
William A. Robinson & Co., storage	47.93
Tug C. B. Sanford, water	2.00
Tug Sea King, water	15.00
John B. Sherman, rents	18.00
Sch. Ellen A. Smith, wharfage	7.90
Bark Sunbeam, storage	70.55
Bark Swallow, dockage	25.00
E. A. Swift, wharfage	8.60
A. L. Sylvia, wharfage	4.24
George B. Taber, dockage	12.00
Allen S. Tripp, dockage	40.00

Bark A. R. Tucker, wharfage	20.88	
Sch. United, storage	5.00	
Sch. Viking, dockage	18.00	
Henry F. West, dockage	100.00	
J. & W. R. Wing & Co., rents	12.50	
Highways and Streets, wharfage, etc.	376.00	
N. B. Water Works, wharfage	50.75	4,131.61

FIRE DEPARTMENT.

Received from sundry sources, as follows:—		
Chief Engineer, sale of horses	$460.00	
" " sale of coal	2.40	
Police Department, mercury and zince	72.00	
Poor Department, sale of dressing	205.00	739.40

FREE PUBLIC LIBRARY—DOG FUND.

From County Treasurer, one-half of dog licenses	1,456.04

FREE PUBLIC LIBRARY—TRUSTEES' ACCOUNT.

Interest on Trust Funds:—		
James B. Congdon, gift	$30.00	
George O. Crocker, bequest	400.00	
Oliver Crocker, bequest	60.00	
George Howland, Jr., gift	96.00	
Sylvia Ann Howland, bequest	3,000.00	
Charles W. Morgan, bequest	60.00	
Charles L. Wood, bequest	80.00	3,726.00

HIGHWAYS AND STREETS.

From sundry parties, stone, etc.	$3,279.42	
From sundry departments, as follows:—		
Acushnet avenue widening	118.87	
Board of Health	2.25	
Cemeteries	179.66	
City Property	89.92	
Coggeshall Street Bridge	48.70	
Department of Wharves	883.28	
Engineering Department	11.46	
Fourth of July Committee	10.00	
Incidentals	1,479.39	
Kempton street widening	1,202.36	
N. B. School Committee	230.12	

N. B. Water Works, board of horses	1,173.36	
" " " stock, labor, etc.	414.88	
N. B. & Fairhaven Bridge	1,034.26	
Park Commission	407.13	
Poor Department	487.32	
Sewers, General Account	4,237.03	
Sewer, Allen street	42.94	
Adams street	90.64	
Bowditch street	7.32	
Coggeshall street	450.54	
David street	108.93	
Dean street	7.61	
Jenney Lind street	33.45	
Lombard street	10.64	
Merrimac street	21.59	
Mill street	9.78	
Palmer street	14.51	
Penniman street	95.90	
Sawyer street	1,023.39	
Summer street, No. 4	31.22	
From other sources:—		
Joshua B. Ashley, curbing	104.27	
Automatic Telephone Co., block paving	14.78	
Bristol County House of Correction, stone	22.37	
Bulman & Benson, screenings	170.72	
City Coal Co., labor, etc.	141.27	
Thomas F. Desmond, stock, etc.	217.67	
Andrew E. Hathaway, sale of horse	48.00	
Mortimer McCarty, stone, etc.	2,489.98	
N. B. Gas & Edison Light Co., stock, etc.	574.67	
N. Y., N. H. & H. Railway Co., macadam	1,594.06	
S. S Paine & Bro., 2d audit	808.48	
Parker House, granolithic	86.81	
Potomska Mills, paving	412.80	
Southern Mass. Telephone Co., repairs, etc.	71.37	
John B. Sullivan & Son, stone, etc.	4,668.51	
Wamsutta Mills, stone, etc.	290.17	
Dartmouth & Westport Street Railway Co., excise tax	412.13	
Old Colony Street Railway Co., excise tax	556.89	
Union Street Railway Co., excise tax	4,001.42	
" " " " labor	3,000.00	36,924.24

INCIDENTALS.

From Harry M. Church, 2d audit	.75

NEW BEDFORD SCHOOL COMMITTEE.

Interest on Trust Funds:—	
Sylvia Ann Howland, bequest	3,000.00

NEW BEDFORD SCHOOL COMMITTEE—BOURNE FUND.

Interest on Educational Fund:—	
Jonathan Bourne, bequest	60.00

NEW BEDFORD SCHOOL COMMITTEE—DOG FUND.

From County Treasurer, one-half of dog licenses	1,456.04

NEW BEDFORD WATER WORKS.

From Water Registrar, as follows:—		
Fines	$78.00	
High Hill Reservoir	53.00	
Lands, taxes, etc.	382.66	
Mains	2,157.97	
Meters and sealing hydrants	1,961.58	
Mill piping	423.46	
Miscellaneous	37.30	
Quittacas Pumping Station	25.30	
Railroad	4.00	
Rates	107,583.64	
Services	2,406.02	
Workshop	17.61	115,130.54

PARK COMMISSION.

Highways and Streets, planting trees	44.07

POLICE DEPARTMENT.

Bristol County House of Correction, fines, etc.	$1,420.00	
Third District Court of Bristol, fines, etc.	4,235.34	
Chief of Police, sale of cloth	512.54	
C. H. & H. A. Lawton Co., 2d audit	1.50	
E. G. Reynolds, sale of horse	50.00	6,219.38

POOR DEPARTMENT.

Received from sundry sources, as follows:—

Cities and Towns.	
Acushnet	$90.50
Amesbury	104.00
Attleborough	60.25
Boston	64.25
Bourne	156.00
Chatham	26.50
Chicopee	33.00
Cottage City	26.64
Dartmouth	550.25
Dedham	2.50
Eastham	3.00
Easton	99.00
Fairhaven	141.60
Fall River	549.85
Fitchburg	15.00
Freetown	137.75
Gloucester	22.46
Grafton	3.00
Granby	21.53
Haverhill	3.00
Hingham	52.00
Holyoke	27.50
Hyde Park	274.00
Lawrence	114.00
Lowell	7.50
Lunenburg	21.57
Malden	4.00
Middleboro'	33.00
Millbury	3.00
Nantucket	2.00
Newton	170.68
Palmer	64.25
Quincy	15.00
Salem	8.00
Sandwich	8.00
Sharon	27.85
Springfield	151.05
Sutton	3.50
Taunton	135.00
Ware	58.50

Wareham	95.30		
Warren	82.00		
West Bridgewater	38.50		
Westport	52.50		
Whitman	.50		
Worcester	1.50	$3,560.78	
From State Treasurer:—			
Support	$1,266.05		
Temporary	1,652.41		
Burials	828.00		
Transportation	53.25	3,799.71	
From Eliza Barker	$52.00		
George Boardman	177.82		
John W. Brennan	156.00		
Dennis Calnan	28.78		
William E. Dowty	42.00		
Maria Fields	9.85		
Mrs. Edward Goodwin	1.00		
John Langevin	12.00		
Theopheli Leaubeau	88.00		
Henry W. Mason	174.11		
Joseph Mercer	254.42		
David Moncrieff	126.10		
E. M. Murphy	169.46		
John G. Nicholson	5.14		
Horace P. Porter	7.00		
Joel Scott	3.00		
S. H. Shepherd	127.21		
Ellen M. Smith	30.64		
Harry D. Stowe	41.14		
Mrs. Walter Swan	3.50		
G. Tavares	6.00		
Benjamin R. Watson, Est. of	375.19		
Thomas F. Wood	169.46		
Fire Department	315.60	2,375.42	9,735.91

PUBLIC DEBT.

Commissioners of Sinking Funds, improvement bonds, matured April 1, 1901	$73,000.00	
Department of Wharves, interest on wharf bonds	2,080.00	
N. B. Water Works, from rates to pay bonds, maturing Oct. 1, 1901	30,000.00	

N. B. Water Works, from rates to pay interest on water bonds	5,000.00	110,080.00

REAL ESTATE TAX ACCOUNT.

Abram A. Allen, et al., tax of 1898	$6.22	
James Beauregard, tax of 1897	59.72	
Edward P. Canny, sewer tax, Davis street	181.14	
John F. Canny, tax of 1897	39.57	
H. G. Dean, T. T., tax of 1898	16.66	
" " "	15.59	
" " "	14.53	
" " "	9.21	
Sarah Howes, tax of 1897	21.43	
A. C. & J. S. Joseph, tax of 1898	17.92	
Charles Lightfoot, tax of 1896	14.98	
John P. Moore, tax of 1893	67.40	
" "	57.65	
Ellen Neill, tax of 1898	12.40	
" "	10.48	
" "	10.28	
Elizabeth I. Offiey, tax of 1898	14.73	
" " " 1896	12.34	
James T. Skiff, tax of 1898	5.67	587.92

SEWERS—GENERAL ACCOUNT

Received from sundry parties for estimated cost and repairs of drains	$4,390.86	
Less difference in costs	633.24	$3,757.62
N. B. Gas & Edison Light Co., stock, etc.		316.98
Cemeteries		63.68
City Property		62.91
Engineering Department		34.30
Highways and Streets		131.62
N. B. & Fairhaven Bridge		14.40
N. B. Water Works		24.70
Sewer, Adams street		316.75
Allen street		177.38
Bowditch and Dean streets		242.68
Coggeshall street		1,472.94
Davis street		334.18
Dean street		27.94
Jenney Lind street		139.41
Lombard street		86.08

Merrimac street	65.25	
Palmer street	333.64	
Penniman street	175.25	
Sawyer street	74.54	
Summer street, No. 4	64.36	
Summer street, No. 5	82.76	7,999.37

SEWER—SAWYER STREET.

Jonathan Handy Co., bolts	17.88

TEMPORARY LOANS.

New Bedford Five Cents Savings Bank, note, Dec. 29, 1900, on demand, @ 3½ %	$25,000.00	
New Bedford Five Cents Savings Bank, note, March 28, 1901, 8 months, @ 3.20 %	150,000.00	
New Bedford Five Cents Savings Bank, note, April 6, 1901, 8 months, @ 3.20 %	63,000.00	
New Bedford Five Cents Savings Bank, note, Sept. 11, 1901, 3 months, @ 4⅛ %	50,000.00	
New Bedford Five Cents Savings Bank, note, Sept. 27, 1901, 4 months, @ 4 %	50,000.00	
New Bedford Five Cents Savings Bank, note, Nov. 28, 1901, 4 months, at 3½ %	150,000.00	
New Bedford Institution for Savings, note, March 28, 1901, 8 months, @ 3.20 %	150,000.00	
New Bedford Institution for Savings, note, June 1, 1901, 5 months, @ 3.40 %	100,000.00	
Rogers, Newman & Tolman, note, Jan. 12, 1901, 10 months, @ 3.16 %	250,000.00	
Rogers, Newman & Tolman, note, Aug. 13, due Dec. 30, 1901, @ 4½ %	100,000.00	
Rogers, Newman & Tolman, note, Dec. 10, 1901, 4 months, @ 3 ⅞ %	150,000.00	1,238,00.00

UNAPPROPRIATED FUNDS.

Received for interest on deposits:—		
First National Bank	$459.69	
Mechanics National Bank	473.87	
Merchants National Bank	442.22	
N. B. Safe Deposit & Trust Co.	365.05	1,740.83
Received for costs and interest on taxes:—		
Collector, on taxes	$3,533.30	

Collector, on sewer taxes	198.63	
Collector, betterments	215.90	
Collector, 1 % on bank taxes	354.48	4,302.31
Liquor licenses:—		
49 1st class, C.V., @ $1,100	$53,900.00	
48 4th class, C. V., @ 300	14,400.00	
9 1st class, I. H., @ 1,500	13,500.00	
4 4th class, bottlers, @ 600	2,400.00	
5 club licenses, @ 300	1,500.00	
31 6th class, druggist, @ 1	31.00	
	$85,731.00	
Less ¼ to State Treasurer	21,432.75	64,298.25
From other licenses, fees, etc.:—		
Board of Health	$14.00	
City Clerk	1,959.35	
Entering sewers	350.00	
Milk licenses	150.00	
Pedlers' licenses	100.00	
Sealer of Weights and Measures	114.02	2,687.37
From Collector of Taxes:—		
Taxes of 1899, in excess of appropriation		2,874.92
From Public Schools:—		
Sale of books	50.07	
Tuition of N. R. pupils	1,005.21	1,055.28
Rents:—		
Armory rents	$600.00	
City Hall	60.00	
West End Police Station	25.00	
Bath houses	272.76	957.76
Engineering Department		6.91
N. B. & Fairhaven Bridge		816.22
Bristol County House of Correction		1.95
William R. Chase, Agent, insurance returned		3.00
J. F. Hoye, Agent, insurance returned		6.01
Sch. A. D. Story, contagious diseases		800.00
Sch. Zalmira, contagious diseases		459.00
Silver, Burdett & Co., overcharge		9.00
State Treasurer:—		
Corporation taxes of 1901	$60,862.82	
Street railway tax	10,614.34	

N. R. bank tax	2,473.84		
Excess of bank tax	417.14		
Tax ships in foreign trade	35.02	74,403.16	
Betterments, Purchase street		3,313.00	
Sewer taxes:—			
Ashland place and Linden court	$42.06		
Beech street	32.73		
Bowditch and Dean streets	226.03		
Bowditch and Tallman streets	77.73		
Brook street	42.60		
County street	69.58		
Cove road and First street	326.63		
Dudley street	65.62		
First street	648.20		
Front street and Hathaway avenue	40.17		
Hillman street and Rockdale avenue	123.44		
Holly street	181.06		
Kempton street	22.39		
Kempton and Mill streets	65.10		
Kenyon street	239.78		
Liberty and Keen streets	177.70		
Locust street	10.36		
Middle street	10.53		
Morgan's lane	23.22		
Trinity street	31.65		
Willis and Chancery streets	33.17	2,489.75	160,224.72
Total receipts, including balance Dec. 3, 1900			$2,758,316.21
Expenditures, per warrants of the Mayor			2,690,917.65
Balance of cash in the treasury, Dec. 2, 1901			$67,398.56

EXPENDITURES.

Payments on the warrants of the Mayor for the year have been as follows, viz. :—

Armories and military property	$3,124.88
Board of Assessors	6,495.72

Board of Health	21,823.22
Board of Health, laboratory	232.52
Board of Health, contageous diseases	23,218.68
Cemeteries	27,830.18
Cemeteries, sale of lots	4,572.36
City property	6,944.67
Coggeshall Street Bridge	89.73
Com. of Mass., Chapter 279 of 1896	1,050.00
Com. of Mass., Chapter 372 of 1899	2,559.46
Com. of Mass., Chapter 374 of 1899	11,547.13
Com. of Mass., Chapter 447 of 1890	10,188.09
Court judgment	90.32
Department of Wharves	5,874.13
Elections	4,025.86
Engineering Department	10,621.52
Fire Department	78,737.83
Fourth of July celebration	1,123.54
Free Public Library	11,875.64
Free Public Library—Dog Fund	1,880.44
Free Public Library, Trustees of	
George O. Crocker fund	220.54
George Howland, Jr., fund	26.00
Sylvia Ann Howland fund	3,089.23
Reading Room fund	261.26
Highways and Streets	196,005.22
Incidentals	43,308.24
Incidentals, Memorial Day	847.00
Land damages:—	
Acushnet avenve, No. 4	2,669.25
Widening Kempton street	2,100.00
Widening South Second street	1,843.80
License Commissioners	538.25
Lighting the streets	52,337.77
New Bedford School Committee,	
Howland fund	2,933.00
New Bedford School Committee,	
Bourne Prize Fund	60.00
New Bedford Water Works	121,556.82
New Bedford Water Works, further supply	13,568.74
Park Commissioners	23,011.63
Park Commissioners, South End Park	28,000.00
Pingree Plan	1,289.12
Plans, new school buildings	2,093.75
Police Department	113,457.38

Poor Department		66,781.99	
Printing, binding and stationery		2,604.02	
Public baths		813.32	
Public debt		298,797.58	
Public Schools:—			
Dog fund	$565.04		
Furnishings	13,000.00		
Incidentals	66,390.43		
Teachers	151,985.93		
Repairs	8,500.00	240,441.40	
Salaries		25,811.67	
Schoolhouse, Blackmer street		21,187.60	
" heating		6,875.00	
Coggeshall street		30,884.20	
" heating		6,875.00	
Shawmut avenue		10,070.81	
" heating		3,800.00	
Blackmer street, moving buildings		1,773.05	
Blackmer street		12,111.98	
Sewers, General Account		23,659.65	
Sewer, Adams street		1,559.75	
Allen street		689.25	
Bowditch and Dean streets		250.00	
Coggeshall street		3,148.19	
David street		1,496.63	
Dean street		142.60	
Jenney Lind street		519.31	
Lombard street		299.39	
Merrimac street		214.64	
Mill and Kempton streets		10.91	
Palmer street		348.15	
Penniman street, No. 2		1,167.44	
Sawyer street		7,668.62	
Summer street, No. 4		301.56	
" No. 5		388.64	
Sinking Funds		101,589.70	
Howland School, heating		5,000.00	
Temporary loan		963,000.00	
Textile School		7,000.00	
Women's Ward, hospital, plans, etc.		512.68	2,690,917.65

TRUST FUNDS HELD BY THE CITY OF NEW BEDFORD.

New Bedford School Committee:—		
One-half of the Sylvia Ann Howland bequest, invested in the Water Works construction at 6 per cent.		$50,000.00
Free Public Library, Trustees' Account:—		
One-half of the Sylvia Ann Howland bequest, invested in the Water Works construction at 6 per cent.		50,000.00
		$100,000.00
New Bedford School Committee:—		
Jonathan Bourne Educational fund (held as cash in the treasury)		1,000.00
Free Public Library, Trustees' Account (held as cash in the treasury:—		
George Howland Jr., gift, at 6 per cent.	$1,600.00	
Oliver Crocker, bequest	1,000.00	
Charles W. Morgan, bequest	1,000.00	
James B. Congdon, bequest	500.00	
George O. Crocker bequest, at 4 per cent.	10,000.00	
Charles L. Wood, bequest	2,000 00	16,100.00
Cemetery Funds, perpetual care of lots (held as cash in the treasury), at 6 per cent.	$26,734.93	
Cemetery Funds, perpetual care of lots (deposited in savings banks), balance Dec. 3, 1900	34,320.00	
Receipts for 1901, to Dec. 2, 1901	5,502.00	66,556.93
Trust Funds, Dec. 2, 1901		$183,656.93

We have examined the foregoing statements of the City Treasurer and find them correct.

WM. E. SMITH,
ROBERT L. BAYLIES,
SAMUEL HIGHAM,

Sub-committee of the Joint Standing Committee on Finance appointed to examine the accounts of the City Treasurer and City Auditor.

In Board of Aldermen,
April 24, 1902.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

In Common Council,
April 24, 1902.

Concurred.

W. H. B. REMINGTON, Clerk.

ANNUAL REPORT

OF THE

SINKING FUND COMMISSIONERS

OF THE

CITY OF NEW BEDFORD

For the Year 1901.

Report

OF THE

Treasurer of the Sinking Funds.

CITY OF NEW BEDFORD,
TREASURER'S OFFICE,
March 1, 1902.

To the Commissioners of Sinking Funds of the City of New Bedford:—

GENTLEMEN:—Herewith please find a statement of my accounts as Treasurer of the Sinking Funds of the City of New Bedford for the year ending at this date, together with a list of the securities now held in the funds.

DR.

Par value of the funds March 1, 1901	$843,989.26	
Appropriation by the City Council, requirements for municipal debt	101,589.70	
Received from water rates	28,000.00	
Received from income on wharves	1,040.00	
Received from income on investments	39,461.72	
Premium on purchase of bonds	962.50	$1,015,043.18

CR.

Amount paid, accrued interest on investments	$2,491.14	
Amount paid, premium on same	15,714.00	
Amount paid to City Treasurer, maturing bonds, April 1, 1901	73,000.00	
Sinking funds at par, March 1, 1902	923,838.04	$1,015,043.18

APPROPRIATIONS.

The appropriations by the City Council and Water Board, together with the amount received from the income from the city wharves, to reduce the public debt for the year 1901, were as follows, viz.:

Sinking Funds, March 1, 1901		$843,989.26
For $30,000 Sewer Bonds, April 1, 1886, 20 years	$1,200.00	
$30,000 Sewer Bonds, October 1, 1886, 20 years	1,200.00	
$15,000 Sewer Bonds, April 1, 1887, 20 years	600.00	
$35,000 Sewer Bonds, April 1, 1888, 20 years	1,400.00	
$43,000 Sewer Bonds, April 1, 1889, 20 years	1,720.00	
$48,000 Sewer Bonds, April 1, 1890, 20 years	1,920.00	
$57,000 Sewer Bonds, April 1, 1891, 20 years	2,280.00	
$73,000 Improvement Bonds, April 1, 1891, 10 years	5,489.70	
$100,000 Sewer Bonds, April 1, 1892, 20 years	4,000.00	
$50,000 Improvement Bonds, April 1, 1892, 10 years	4,000.00	
$108,000 Sewer Bonds, April 1, 1893, 20 years	4,320.00	
$162,000 Improvement Bonds, April 1, 1893, 10 years	12,960.00	
$32,000 Sewer Bonds, April 1, 1894, 20 years	1,200.00	
$89,000 Improvement Bonds, April 1, 1894, 10 years	7,120.00	

$58,000 Sewer Bonds, April 1, 1895, 30 years	1,160.00	
$24,000 Improvemens Bonds, April 1, 1895, 10 years	1,920.00	
$172,000 Improvement Bonds, March 1, 1897, 10 years	13,760.00	
$128,000 School Build'g Bonds, March 1, 1897, 20 years	5,120.00	
$69,000 Sewer Bonds, March 1, 1897, 30 years	1,380.00	
$35,000 Sewer Bonds, February 1, 1898, 30 years	700.00	
$92,000 School Building Bonds, February 1, 1898, 20 years	3,680.00	
$62,000 Improvement Bonds, Februruary 1, 1898, 10 years	4,960.00	
$108,000 Improvement Bonds, February 1, 1899, 10 years	8,640.00	
$30,000 School Building Bonds, February 1, 1899, 20 years	1,200.00	
$33,000 Sewer Bonds, February 1, 1899, 30 years	660.00	
$200,000 School Building Bonds, June 1, 1900, 20 years	8,000.00	
$20,000 Water Bonds, April 1, 1888, 30 years	400.00	
$120,000 Water Bonds, April 1, 1894, 30 years	2,400.00	
$1,200,000 Water Bonds, 1894, 1896 and 1897, 30 years	24,000.00	
$48,000 Water Bonds, June 1, 1900, 30 years	1,200.00	
$100,000 Park Loan, June 1, 1892, 50 years	1,000.00	
$52,000 Wharf Bonds, May 1, 1897, 30 years	1,040.00	130,629.70
Interest on investments		39,461.72
Premium on bonds purchased		962.50
		$1,015,043.18

PAYMENTS.

To City Treasurer, Improvement Bonds, maturing April 1, 1901	$73,000.00

Premium on bonds purchased	15,714.00	
Accrued interest on same	2,491.14	$91,205.14
Net value of sinking funds, March 1, 1902		$923,838.04

LIST OF SECURITIES BELONGING TO THE SINKING FUNDS MARCH 1, 1901.

Milwaukee, Wis., Viaduct loan, 5 per cent., bonds due July 2, 1906	$6,500.00
Milwaukee, Wis., Museum loan, 5 per cent., bonds due July 1, 1906	3,000.00
Milwaukee, Wis., bridge loan, 5 per cent., bonds due July 1, 1906	10,500.00
Bridgeport, Conn., Municipal loan, 4 per cent., bonds due January 1, 1924	6,000.00
Indianapolis, Ind., Refunding loan, 4 per cent., bonds due June 30, 1924	10,000.00
Waterbury, Conn., Water loan, 4 per cent., bonds due July 1, 1919	15,000.00
Lynn, Mass., Municipal loan, 4 per cent., bonds due January 1, 1922	5,000.00
Lynn, Mass., Municipal loan, 4 per cent., bonds due October 1, 1923	1,000.00
Lynn, Mass., Municipal loan, 4 per cent., bonds due April 1, 1923	3,000.00
Lynn, Mass., Sewer loan, 4 per cent., bonds due September 1, 1908	6,000.00
Cambridge, Mass., Sewer loan, 4 per cent., bonds due Aug. 1, 1924	32,000.00
Cambridge, Mass., Park loan, 4 per cent., bonds due February 1, 1924	4,000.00
Grand Rapids, Mich., Water loan, 4½ per cent., bonds due October 1, 1913	40,000.00
New Britain Conn., Water loan, 4 per cent., bonds due Aug. 1, 1908 to 1918	25,000.00
Springfield, O., Municipal loan, 5 per cent., bonds due September 1, 1902	3,000.00
Cleveland, O., Water loan, 4 per cent., bonds due April 1, 1903	4,000.00
New Bedford, Mass., Water loan, 4 per cent., bonds due April 1, 1924	3,000.00
New Bedford, Mass., wharf loan, 4 per cent., bonds due May 1, 1927	52,000.00

New Bedford, Mass., Sewer loan, 3½ per cent., bonds due October 1, 1906	30,000.00
Newton, Mass., Water loan, 4 per cent., bonds due April 1, 1924	19,000.00
Wakefield, Mass., Light loan, 4 per cent., bonds due October 1, 1918	9,000.00
Woonsocket, R. I., Funding loan, 4 per cent., bonds due April 1, 1924	3,000.00
Haverhill, Mass., Municipal loan, 4 per cent., bonds due October 1, 1921	20,000.00
Brockton, Mass., Water loan, 4 per cent., bonds due April 1, 1924	7,000.00
Brockton, Mass., Sewer loan, 4 per cent., bonds due Dec. 15, 1923	1,000.00
Saginaw, Mich., Sewer loan, 5½ per cent., bonds due November 1, 1913	15,000.00
Malden, Mass., Sewer loan, 4 per cent., bonds due May 1, 1924 and 1925	25,000.00
Newport, R. I., Gold loan, 4 per cent., bonds due May 15, 1923	15,000.00
Meriden, Conn., Municipal loan, 4 per cent., bonds due May 1, 1907	10,000.00
Haverhill, Mass., Municipal loan, 4 per cent., bonds due December 1, 1922	5,000.00
Taunton, Mass., Sewer loan, 4 per cent., bonds due June 1, 1915	1,000.00
Taunton, Mass., Municipal loan, 4 per cent., bonds due June 1, 1905	11,125.00
Taunton, Mass., Municipal loan, 4 per cent., bonds due December 1, 1915	2,000.00
Taunton, Mass., Municipal loan, 4 per cent., bonds due December 1, 1906	19,000.00
Hyde Park, Mass., Sewer loan, 4 per cent., bond due May 1, 1908 and 1909	10,000.00
Malden, Mass., Water loan, 4 per cent., bonds due January 1, 1916	10,000.00
Waltham, Mass., Building loan, 4 per cent., bonds due January 1, 1907	3,000.00
Waltham, Mass., Water loan, 4 per cent., bonds due April 1, 1917	6,000.00
Waltham, Mass., Sewer loan, 4 per cent., bond due January 1, 1927	2,000.00
Attleborough, Mass., Water loan, 4 per cent., bonds due January 1, 1926	18,000.00

Newton, Mass., Sewer loan, 4 per cent., bonds due May 1, 1927	16,000.00
Quincy, Mass., Sewer loan, 4 per cent., bonds due May 1, 1916 to 1923	20,000.00
Medford, Mass., Building loan, 4 per cent., bonds due August 1, 1918	30,000.00
New Bedford Mass., sewer loan 3½ per cent., bonds due February 1, 1928	3,000.00
New Bedford, Mass., Schoolhouse loan, 3½ per cent., bonds due February 1, 1918	4,000.00
Taunton, Mass., Municipal loan, 4 per cent., bonds due July 1, 1907	4,000.00
Worcester, Mass., Funding loan, 4 per cent., bonds due July 1, 1928	17,000.00
Saginaw, Mich., Bridge loan, 4 per cent., bonds due April 1, 1923	10,000.00
Saginaw, Mich., Water loan, 4 per cent., bonds due December 1, 1919	10,000.00
New Bedford, Mass., Schoolhouse loan, 3½ per cent., bonds due February 1, 1919	7,000.00
New York & New England Railway bonds, 6 per cent., due January 1, 1905	25,000.00
Chicago, Burlington & Quincy Railway bonds, 7 per cent., due July 1, 1903	8,000.00
Milwaukee, Lake Shore & Western Railway bonds, 6 per cent., due May 1, 1921	22,000.00
Milwaukee, Lake Shore & Western Railway bonds, 6 per cent., due July 1, 1924	3,000.00
Dakota Central Railway bonds, 6 per cent., due September 1, 1907	50,000.00
Burlington & Missouri River Ry. bonds, 6 per cent., due July 1, 1918	11,800.00
Michigan, Lake Shore, Western Division, 5 per cent., bonds due February 1, 1929	19,000.00
Burlington & Missouri River Ry. bonds, 6 per cent., due July 1, 1918	19,000.00
St. Johnsbury and Lake Champlain Ry. bonds, 5 per cent., due March 1, 1944	4,000.00

Illinois Central Railway Co., Gold 3½ per cent. bonds, due July 1, 1951	6,000.00	
Illinois Central Railway Co., Gold 3½ per cent. bonds, due July 1, 1953	4,000.00	
Clinton, Mass., Town loan, 3 ½ per cent., bonds due from October 1, 1905 to 1921	11,000.00	
New Britain, Conn., Town loan, 4 per cent., bonds due July 1, 1924	9,000.00	
Joliet & North Indiana Railway Co., 7 per cent. bonds, due July 10, 1907	20,000.00	
Kansas City, St. Jos. & C. B. Ry. Co., 7 per cent. bonds, due Jan. 1, 1907	10,000.00	
St. Johnsbury & Lake Champlain Ry. Co., 5 per cent. bonds, due March 1, 1944	2,000.00	
Fitchburg Ry. Co., 4 per cent. bonds, due March 1, 1927	5,000.00	
Boston & Maine Ry. Co., 4½ per cent. bonds, due Jan. 1, 1944	5,000.00	
Kalamazoo, Allegheny & G. R. Ry. Co., 5 per cent. bonds, due July 1, 1938	4,000.00	
Chicago, Burlington & Quincy Ry. Co., 4 per cent. bonds, due May 1, 1927	5,000.00	
Cedar Rapids & Mo. Ry. Co., 7 per cent. bonds, due June 1, 1909	4,000.00	
Kansas City, St. Joseph & C. B. Ry. Co., 7 per cent. bonds, due Jan. 1, 1907	8,000.00	
C. B. & Q. Ry. Co., 5 per cent. bonds, due October 1, 1917	10,000.00	
Illinois Central, Omaha Division, Ry. Co., 3 per cent. bonds, due Aug. 1, 1951	10,000.00	
Boston & Maine Ry. Co., 3½ per cent. bonds, due November 1, 1921	15,000.00	
Rochester, N. Y., Water loan, 7 per cent., bonds due Jan. 1, 1903	15,000.00	
Middletown, Conn., Refunding loan, 3½ per cent., due December 1, 1921	5,000.00	
Buckland, Mass., Funding loan, 4 per cent., bond due April 10, 1902	1,000.00	
Brockton, Mass., School loan, 4 per cent., bonds due April 1, 1902	6,000.00	
Waltham, Mass., Municipal loan, 4 per cent., bonds due April 1, 1902	2,000.00	$909,925.00

SAVINGS BANK DEPOSITS.

New Bedford Five Cents Savings Bank	$1,354.19	
New Bedford Institution for Savings	1,277.69	
The Boston Five Cents Savings Bank	1,288.66	
Charlestown Five Cents Savings Bank	1,265.22	
City Institution for Savings, Lowell	1,000.00	
Suffolk Savings Bank for Seamen and Others	1,265.40	
	$7,451.16	
Mechanics National Bank, deposits	6,461.88	$13,913.04
Investments at par, including deposits		$923,838.04

SECURITIES PURCHASED DURING THE YEAR.

Illinois Central, St. Louis Division, Ry. bonds, at 102¼, 3½s	$6,000.00
Illinois Central, Louisville Division, Ry. bonds, at 102½, 3½s	4,000.00
Clinton, Mass., bonds, at 101¼ to 104⅝, 3½s	11,000.00
New Britain, Conn., bonds, at 102⅜, 4s	9,000.00
Joliet & Northern Indiana Ry. bonds, at 118, 7s.	20,000.00
Kansas City, St. Jos. & C. B. Ry. bonds, at 116⅝, 7s	10,000.00
St. Johnsbury & Lake Champlain Ry. bonds, at 133, 5s,	2,000.00
Fitchburg Railway bonds, at 111¾, 4s	5,000.00
Boston & Maine Railway bonds, at 127, 4½s	5,000.00
Kalamazoo, Allegheny & G. R. Ry. bonds, at 133¾, 5s	4,000.00
Chicago, Burlington & Quincy Ry. bonds, at 110⅛, 4s	5,000.00
Illinois Central, Omaha Division, Ry. bonds, at 90⅜, 3s	10,000.00
Cedar Rapids & Mo. River Ry. bonds, at 123½, 7s	4,000.00
Kansas City, St. Jos. & C. B. Ry. bonds, 116⅝, 7s	8,000.00
Chicago, Burlington & Quincy Ry. bonds, at 116¼, 5s	10,000.00
Boston & Maine Ry. bonds, at 103½, 3½s	15,000.00

Middletown, Conn., bonds, at 104.86, 3½s	5,000.00	
Rochester, N. Y., bonds, at 104, 7s	15,000.00	
Brockton, Mass., bonds, at 100, 3½s	6,000.00	
Buckland, Mass., bonds, at 100.10, 4s	1,000.00	
Waltham, Mass., bonds, at 100⅛, 4s	2,000.00	
Bonds purchased, at par value		$157,000.00

AMOUNT OF SINKING FUNDS AND LOANS SECURED BY SAME IN EACH CLASS.

CLASS.	SINKING FUNDS.	LOANS.	WHEN DUE.
3	$25,096.73	$30,000.00	April 1, 1906
4	23,024.47	30,000.00	Oct. 1, 1906
5	11,525.18	15,000.00	April 1, 1907
8	24,518.52	35,000.00	" 1, 1908
9	9,451.72	20,000.00	" 1, 1918
10	27,357.22	43,000.00	" 1, 1909
12	27,602.47	48,000.00	" 1, 1910
14	29,424.99	57,000.00	" 1, 1911
16	46,027.84	100,000.00	" 1, 1912
17	46,060.30	50,000.00	" 1, 1902
18	10,163.48	100,000.00	" 1, 1942
19	43,906.08	108,000.00	" 1, 1913
20	131,718.13	162,000.00	" 1, 1903
21	10,629.35	32,000.00	" 1, 1914
22	63,067.17	89,000.00	" 1, 1904
23	20,148.26	120,000.00	" 1, 1924
24	149,691.77	1,200,000.00	" 1, 1927
25	8,766.36	58,000.00	" 1, 1925
26	14,509.57	24,000.00	" 1, 1905
27	72,271.21	172,000.00	March 1, 1907
28	26,875.72	128,000.00	" 1, 1917
29	7,245.50	69,000.00	" 1, 1927
30	5,445.70	52,000.00	May 1, 1927
31	2,896.55	35,000.00	Feb. 1, 1928
32	15,021.44	92,000.00	" 1, 1918
33	20,523.76	62,000.00	" 1, 1908
34	26,490.43	108,000.00	" 1, 1909
35	3,679.27	30,000.00	" 1, 1919
36	2,023.61	33,000.00	" 1, 1929
37	16,239.30	200,000 00	June 1, 1920
38	2,435.94	48,000.00	" 1, 1930
	$923,838.04	$3,350,000.00	

SINKING FUNDS.
CITY OF NEW BEDFORD.
BALANCE SHEET — MARCH 1, 1902.

PAGE.	NUMBER.	DR.	CR.
18	Sinking Fund, No. 3		$25,096.73
25	4		23,024.47
28	5		11,525.18
37	8		24,518.52
40	9		9,451.72
43	10		27,357.22
49	12		27,602.47
53	14		29,424.99
59	16		46,027.84
61	17		46,060.30
63	18		10,163.48
65	19		43,906.08
67	20		131,718.13
73	21		10,629.35
75	22		63,067.17
77	23		20,148.26
79	24		149,691.77
81	25		8,766.36
83	26		14,509.57
87	27		72,271.21
89	28		26,875.72
91	29		7,245.50
93	30		5,445.70
94	31		2,896.55
95	32		15,021.44
96	33		20,523.76
98	34		26,490.43
100	35		3,679.27
102	36		2,023.61
104	37		16,239.30
106	38		2,435.94
70	Bond Account	$999,925.00	
72	Savings Bank and Loan Acc't	7,451.16	
10	Mechanics National Bank, Deposits	6,461.88	
		$923,838.04	$923,838.04

Respectfully submitted,
JAMES H. HATHAWAY,
Treasurer of the Sinking Funds.

Report

OF THE

Commissioners of the Sinking Funds.

CITY OF NEW BEDFORD, MASS.,
TREASURER'S OFFICE,
March 21, 1902.

To the City Council of the City of New Bedford:

GENTLEMEN:—At a meeting of the Commissioners of Sinking Funds of the City of New Bedford, held this day, it was

VOTED—To adopt the foregoing statement of the Treasurer of the Sinking Funds as the report of the Commissioners of the Sinking Funds of the City of New Bedford, required by the Statutes of Massachusetts, to be made annually to the City Council.

MORGAN ROTCH,
WILLIAM A. MACKIE,
BENJAMIN F. BROWNELL,
Commissioners of the Sinking Funds.

We, the undersigned, have examined the foregoing statement of the Treasurer of the Sinking Funds of the City of New Bedford, and find it to be correct.

WILLIAM E. SMITH,
ROBERT L. BAYLIES,
SAMUEL HIGHAM,
Sub-Committee of the Joint Standing Committee on Finance, appointed to examine the accounts of the Treasurer.

IN BOARD OF ALDERMEN,
April 24, 1902.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,
April 24, 1902.

Concurred.

W. H. B. REMINGTON, Clerk.

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1902 — CITY DOCUMENT No. 9.

ANNUAL REPORT

OF THE

CHIEF OF POLICE

OF THE

CITY OF NEW BEDFORD

FOR THE YEAR ENDING DECEMBER 31ST,
1901.

NEW BEDFORD, MASS.
PRINTED BY THE A. E. COFFIN PRESS.
1902.

In Board of Aldermen,

January 23, 1902.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

In Common Council,

January 23, 1902.

Concurred,

WALTER H. B. REMINGTON, Clerk.

Annual Report.

NEW BEDFORD, Mass.,
December 31st, 1901.

To His Honor the Mayor, and Gentlemen of the City Council:

GENTLEMEN—I have the honor to submit herewith, the annual report of the condition and doings of the Police Department, for the year ending Dec. 31st, 1901.

This department, at present, consists of the following:—

Chief	1	Health officer	1
Captains	2	Emergency officer	1
Lieutenants	9	Wagonmen	2
Inspectors	2	Drivers	2
Sergeants	4	Housekeepers	11
Patrolmen	73	Matron	1
Clerk	1	Janitor	1
		Total	111

NUMBER OF ARRESTS DURING THE YEAR, 2,063.

Arrests by months:—

January	150	Males,	1,728
February	120	Females	335
March	148	Americans	1,002
April	159	Foreigners	1,061
May	169	Non-residents	413
June	153	Minors	185
July	191	Commitments	1,079
August	210	On warrants	562
September	217		
October	212		
November	156		
December	178		

Number of arrests in	1896	2,104
" "	1897	2,089
" "	1898	1,852
" "	1899	2,237
" "	1900	1,875
" "	1901	2,063

AMOUNT OF FINES IN THIRD BRISTOL DISTRICT COURT, $4,319.89.

1st Quarter	$605.14	3rd Quarter	$1,263.75
2nd "	1,267.65	4th "	1,183.35

Fines in	1896	$7,885.76
"	1897	7,084.60
"	1898	6,089.66
"	1899	5,141.09
"	1900	4,663.28
"	1901	4,319.89

LODGERS.

Number of lodgers during the year, 840.

Males	828
Females	12
Americans	534
Foreigners	306
Non-residents	831
Minors	11

NATIVITY OF LODGERS.

United States	534
British Provinces	5
Canada	19
Denmark	2
England	78
France	1
Germany	7
Ireland	160
Portugal	1
Scotland	26
Spain	1
Sweden	4
Wales	2

NATIVITY OF PRISONERS.

United States	1,002
Austria	11
British Provinces	30
Canada	262
England	226
Finland	2
France	7
Germany	18
Greece	3
Ireland	254
Italy	12
Japan	1
Norway	4
Poland	21
Portugal	105
Russia	34
Scotland	45
Sweden	8
Syria	2
St. Helena	4
Wales	4
Australia	1
Roumania	1
West Indies	2
Mexico	1
Bermuda	1
Holland	1
Guam	1

OFFENCES.

Adultery	7
Assault and battery	210
Assault, felonious	4
Attempt to break and enter	2
Attempt at larceny	1
Bastardy	9
Breaking and entering and larceny	20
Begging	7
Conspiracy	3
Concealing stolen property	1
Concealing mortgaged property	1
Contempt of court	9
Cruelty to dumb animals	9
Crime against nature	5
Carrying deadly weapons	1
Disturbing the peace	104
Disturbing public school	2
Drunkenness	1,197
Deserters	3
Dipsomaniacs	6
Embezzlement	1
Escaped prisoners	2
Enticing female child	2
Exhibiting obscene pictures	2
Fornication	2
Fugitives from justice	2
Forgery	1
Gambling	6
Held as witness	1
Idle and disorderly	35
Indecent exposure	4
Insane	33
Incest	1
Keeping common nuisance	2
Keeping liquor nuisance	1
Keeping liquor with intent to sell	4
Keeping disorderly house	24
Keeping common gaming house	1
Keeping unlicensed dogs	16
Larceny	132
Larceny, felonious	2
Malicious mischief	7

Manslaughter	3
Murder	2
Neglected children	12
Night walking	3
Non-support	49
Obstructing an officer	4
Obstructing sidewalk	2
Polygamy	4
Peddling without license	2
Promoting lottery	1
Rape	5
Receiving stolen goods	2
Stealing a ride	2
Stubbornness	15
Setting bon-fire in public street	1
Threats	13
Trespass	1
Unlawfully using electricity	2
Using obscene language	3
Unlawful sale of liquor	1
Vagrants	17
Violation of pool-room law	3
Violation of oleomargarine law	22
Violation of plumbing law	1
Violation of food law	2
Violation of junk law	3
Violation of lottery law	1
Violation of U. S. postal law	1
Violation of City ordinances	3
Violation of ticket of leave	1
Total	2063

PRIMARY DISPOSITION OF CASES.

Committed to various penal and other institutions	1079
Paid fines	515
Appealed	108
Continued	252
Continued on probation	54
Released without arraignment by order of Court	42
Ordered to recognize to keep the peace	4
Delivered to out of town officers	22

Delivered to Superior Court	2
Adjudged not guilty, and discharged	25
Nolle prossed	18
Laid on file	15
Adjudged probably guilty	25
Defaulted	7
Returned to parents	1
Bailed to appear at Superior Court	1
Died in lockup	2

MISCELLANEOUS BUSINESS.

Accidents	5
Amount of property reported stolen	$3361.95
Amount of property recovered	2013.14
Animals impounded	48
Ambulance cases	169
Buildings found open and secured	178
Bicycles found	50
Cases investigated	6227
Dangerous buildings reported	2
Dangerous dogs reported	4
Dangerous wires reported	32
Defective fire alarm boxes	7
Defective police boxes	28
Defective street lamps	71
Defective streets and sidewalks	287
Defective hydrants	14
Defective water pipes	13
Dead bodies found	3
Disturbances suppressed	387
Dog notices served	166
Dogs killed	18
Fire alarms given	9
Fires extinguished without alarms	13
Fire alarm boxes found open	1
Horses found cast	21
Horses killed	1
Intoxicated persons helped home	23
Lost children found and returned	188
Liquor search warrants served	5
Police boxes found open	3
Rescued from drowning	1

Notices served	36
Street obstructions reported	16
Street obstructions removed	8
Stray teams picked up	39
Stray teams put up	33
Sick and injured persons assisted	18
Water reported running to waste	56
Hours of extra duty	1125
Electric street lights reported out	1102
Gas street lights reported out	896
Naptha street lights reported out	1833

ROSTER OF THE FORCE.

CHIEF:

HENRY W. MASON

CAPTAINS:

TIMOTHY C. ALLEN
JAMES L. WILBER

INSPECTORS:

GEORGE E. GENDRON
FRANKLIN L. HATHAWAY

LIEUTENANTS:

SETH E. BRYANT
THOMAS FAY
CHARLES L. McBAY
THOMAS J. TAFT
THOMAS W. COMSTOCK
ARTHUR H. JONES
JOHN C. PARKER
JOSEPH B. WING

COURT AND COMMITTING OFFICER:

LIEUT. LEMUEL D. ADAMS

CLERK:

HENRY N. WEST

SERGEANTS:

CHARLES C. GIFFORD
WILLIAM E. ROSCOE
EDMUND FOLEY
WILLIS C. UNDERWOOD

POLICE MATRON:

MRS. SARAH M. BROWNELL

PATROLMEN	AGE	YEARS OF SERVICE
Aldrich, Oscar F.	52	6½
Allen, Edgar W.	47	14
Allen, Edward	38	8½
Allen, Robert N.	57	7½
Almond, Walter	39	9½
Almond, William Jr.	31	7
Atwood, William W.	36	7
Benoit, William R.	30	½
Callanan, Thomas F.	47	10
Cannavan, Patrick	64	33
Church, Charles B.	30	4
Clough, George H.	54	4½
Clark, Ulysses L.	43	8½
Cole, William T.	32	5½
Cowing, William J.	45	7
Cox, James W.	36	9
Dahoney, Thomas	43	11½
Daley, Jeremiah E.	31	6½
Demers, Frank E.	41	9
Deneen, Daniel	39	8½
Dodds, James	48	9½
Doherty, Edward P	35	5
Early, Edward C.	36	5
Eldridge, Washington A.	58	20
Enos, Frank	34	8½
Fowler, William	37	5
Hafford, Stephen	44	¾
Howland, William A. E.	34	5½
Hutchinson, John J.	31	6½
Humphrey, Daniel J.	60	23
Ivey, James A.	45	11
Kenney, Patrick	47	7
Lawrence, George R.	44	5½
Lee, Allen R.	68	17½
Lowther, George H.	42	5
Meehan, Daniel	54	4
McCarthy, Jeremiah	42	9½
McCarthy, Edward	38	4
McDonald, Daniel J.	39	5
McDonnell, Patrick	31	9
McDonnell, James	33	5½
McEnnis, Robert B.	45	7

McLeod, Samuel D.	34	7
Murphy, Cornelius J.	56	21
Nickerson, Charles F.	28	1
Oliver, John F.	37	8½
Pinkham George W.	45	8½
Raymond, Hiram E.	47	9½
Remington, Frank L.	35	6½
Rhodes, Henry W.	49	14
Ricketson, Harrison D.	35	7
Rooks, John C.	44	15½
Russell, Engene F.	51	8½
Savage, James W.	39	7
Sharples, Smith	32	½
Sisson, Joseph DeL.	77	23
Smith, Andrew J.	58	8½
Smith, Charles F.	45	7
Stow, Harry D.	45	7
Sullivan, James H.	37	¾
Sullivan, Timothy	53	26
Sweeney, Daniel B.	39	11
Sylvia, Frank W.	35	6½
Taber, Jeremiah M.	43	10½
Tripp, Chester L.	42	¾
Vogel, George	63	17
Vogel, Robert F.	35	5
Willis, Rufus H.	64	4
Winslow, George F.	64	4
Wixon, James A.	60	30

EMERGENCY OFFICER

Patrick Kennedy	66	18½

HEALTH OFFICER

William E. Macomber	62	28

WAGONMEN

John M. Jones	59	16
George W. Paige	55	21

DRIVERS

William M. Ryan	34	5
Edward F. Jennings	62	16

HOUSEKEEPERS

Dayton, Luther M.	76	45
Arnett, James W.	62	25
Arnett, Henry	55	11
Gifford, George P.	58	3
Jones, Isaac M.	71	32
Manchester, John B.	64	16
Mitchel, William H.	74	17
Robbins, Charles H.	80	22
Stevens, Henry	67	26
Sullivan, John D.	54	9
Wilson, Thomas H.	65	15

JANITOR

Moses C. Drew

APPOINTMENTS.

On May 20th, the following named persons, members of the Reserve Police Force, were appointed Regular Police Officers of the City of New Bedford, viz:

William R. Benoit
Chester L. Tripp
Stephen Hafford, Jr.
James H. Sullivan

On June 13th, Smith Sharples, a member of the Reserve Police Force, was appointed a Regular Police Officer.

On July 18th, the following named persons were appointed to the Reserve Police Force of the City of New Bedford, in accordance with the Civil Service Rules of the Commonwealth:

Charles A. Caswell
Harry M. Gay
Charles F. Daley
Thomas E. Mack
William S. Cushing
Edward A. Hynes

LIST OF RESERVE POLICE.

Allen, Charles E.
Caswell, Charles A.
Cushing, William S.
Daley, Charles F.
Durant, Lawrence J.
Gay, Harry M.
Gibbs, Nathaniel F.
Harrington, Daniel
Holloway, Arod B.
Hynes, Edward A.
Karcher, Frederick
Loftus, Anthony
Mack, Thomas E.
Mosher, Albert E.
Nye, Frederick L.
Ratcliffe, Robert B.
Rooks, Albert H.
Spooner, John C.
Welch, William
Wilcox, Seth A.

RESIGNED.

Henry W. Bumpus, October 14th, 1901.

In Memoriam.

DENNIS J. MACDONALD,

Died Dec. 16th, 1901,

Aged 33 years, 8 months, 1 day.

ELECTRIC STORAGE BATTERY.

On April 23rd, an Electrical Storage Battery for supplying the Police Signal System, was installed at the Central Police Station, in compliance with recommendation of last year, and the result has been eminently satisfactory.

SIGNAL CALLS.

Duty calls	352,074
Telephone calls	42,410
Wagon calls	996
Ambulance calls	169
Total	395,480

WOMEN'S LOCKUP.

Number of prisoners	288
" children	21
" insane	8
" lodgers	10
	327

MRS. SARAH M. BROWNELL, Matron.

To His Honor the Mayor, and Committee on Police, I hereby extend thanks for courtesy and kindness, accorded me on all occasions.

Respectfully,

HENRY W. MASON,

Chief of Police.

1902 — CITY DOCUMENT No. 10.

THIRTEENTH ANNUAL REPORT

OF THE

BOARD OF PUBLIC WORKS

OF THE

CITY OF NEW BEDFORD

TO THE

CITY COUNCIL.

Together with the
Report of the Superintendent of Public Works to the Board
for the year 1901.

NEW BEDFORD, MASS.
PRINTED BY THE A. E. COFFIN PRESS.
1902.

BOARD OF PUBLIC WORKS.

Organized May 3, 1889, under Chapter 167 of the Acts and Resolves of 1889.

ORGANIZATION FOR 1901.

CHARLES S. ASHLEY, Mayor, Chairman.
JOHN L. G. MASON, President of the Common Council.
MORGAN ROTCH, Term expires May, 1903.
JOHN ELDRIDGE, JR., Term expires May, 1902.
F. WILLIAM OESTING, Term expires May, 1904.

CLERK,
WILLIAM S. COOK.

SUPERINTENDENT OF PUBLIC WORKS,
CHARLES F. LAWTON, Civil Engineer.

1901.

NEW BEDFORD, MASS.

Population, assessors' estimate, 64,000.

Valuation, $62,902,590.75.

Area, about 19 1-3 square miles.

137.048 miles of accepted streets.

Two bridges over the Acushnet river; old bridge being replaced by new bridge; 3-4 Coggeshall Street bridge maintained by New Bedford.

4.416 miles of stone block paving, an area of 54,017 square yards.

0.483 miles of asphalt block paving, an area of 8,194 square yards.

15.13 miles of cobble paving, an area of 190,697 square yards.

58.34 miles of macadam paving, an area of 726,542 square yards.

.3055 miles of bituminous macadam, an area of 4,426 square yards.

92.63 miles of curbing.

34.60 miles of flag sidewalk, an area of 104,244 square yards.

34.37 miles of concrete sidewalk, an area of 151,269 square yards.

1.24 miles of granolithic sidewalk, an area of 7,127 square yards.

64.408 miles of sewer 8 to 72 inches diameter.

$1,001,835.84 cost of sewer system to date.

878 catch-basins.

114 eyeholes.

618 manholes.

27 sewer outlets into Acushnet river.

3 sewer outlets into the lower harbor.

7 sewer outlets into Clark's Cove.

REPORT.

OFFICE OF BOARD OF PUBLIC WORKS,
ODD FELLOWS' BUILDING,
December 1, 1901.

To the Honorable the City Council of the City of New Bedford:—

GENTLEMEN:—The Board of Public Works herewith presents its thirteenth annual report for the year ending December 1, 1901.

At the beginning of the year the Board organized with Hon. Chas. S. Ashley, Chairman, ex-officio; John L. G. Mason, President of the Common Council; Hon. Morgan Rotch, John Eldridge, Jr., and F. William Oesting.

The report of the Superintendent which accompanies this report shows in detail the expenditures for the past year, and attention is respectfully directed to them.

The various recommendations made to the Board deserve respectful consideration at your hands.

Respectfully submitted,

CHARLES S. ASHLEY,
JOHN L. G. MASON,
MORGAN ROTCH,
JOHN ELDRIDGE, JR.,
F. WM. OESTING,
Board of Public Works.

APPROPRIATIONS AND EXPENDITURES, 1901.

	Appropriation.	Expenditures.
Highways and streets	$157,200.00	$159,080.98
General sewers	17,000.00	15,660.28
Coggeshall street bridge	400.00	89.73
Widening Acushnet ave., Howard ave. to Lund's corner	5,714.00	2,669.25
*Widening Kempton st., Rockdale ave. to Dartmouth line	1,300.00	1,300.00
Widening Kempton st., west of Chepatchet lane	800.00	800.00
	$182,414.00	$179,600.24
Adams street sewer	$1,850.00	$1,559.75
Allen street sewer	1,000.00	689.25
*Bowditch and Deane streets sewer	250.00	250.00
Coggeshall street sewer	3,150.00	3,148.19
David street sewer	1,500.00	1,496.63
Deane street sewer	200.00	142.60
Jenney Lind street sewer	1,000.00	519.31
Lombard street sewer	500.00	299.39
Merrimac street sewer	214.64	214.64
*Mill and Kempton streets sewer	275.52	10.91
Palmer street sewer	600.00	348.15
Penniman street sewer	1,500.00	1,167.44
Sawyer street sewer	7,700.00	7,668.62
Summer street sewer, No. 4	325.00	301.56
Summer street sewer, No. 5	388.64	388.64
	$202,867.80	$197,805.32

*Brought forward from 1900.

HIGHWAYS AND STREETS.

Year.	Net Expenditure Appropriation for Year.	New Work.	Maintenance and Repairs.	Stock on hand Decreased.	Stock on hand Increased.
1897	$164,834.32	$92,759.88	$66,718.78		$5,355.66
1898	181,334.62	96,618.76	83,876.67		839.19
1899	146,893.75	74,858,45	75,694.38	$3,659.08	
1900	142,732.05	83,024.10	60,023.46	315.51	
1901	164,051.42	97,152.15	65,101.36		1,797.91

GENERAL SEWERS.

Year.	Net Expenditure Appropriation for Year.	New Work.	Maintenance and Repairs.	Stock on hand Decreased.	Stock on hand Increased.
1897	$14,677.22	$4,585.35	$11,913.45	$1,821.58	
1898	16,892.88	6,888.99	10,103.68	99.79	
1899	10,589.99	3,857.73	7,405.53	673.27	
1900	11,773.41	3,043.52	8,584.22		$ 145.67
1901	15,660.28	6,570.64	7,674.02		1,415.62

Report of Superintendent.

OFFICE OF SUPERINTENDENT,
ODD FELLOWS' BUILDING,
New Bedford, December 1, 1901.

To the Board of Public Works of the City of New Bedford:—

GENTLEMEN:—The thirteenth annual report of the work of this department for the twelve months ending November 30th, 1901, is herewith submitted.

Detailed tables, showing the work done and the cost, form as usual the substance of this report. One noticeable feature of the work of the year has been the extension of granolithic sidewalks in the centre of the city, and the offer to citizens generally to have it laid wherever the abutter would pay one-half the cost. This sidewalk has given satisfaction and is no doubt the best, and should in the end be the most economical that the city can build.

In common with several other cities of the state, we have this year had laid a number of blocks of bituminous macadam pavement, so called, being a pavement patented and laid by Warren Bros. of Boston. While the surface of this pavement resembles somewhat that of sheet asphalt, there is no asphalt used in its construction, the bituminous cement being a mixture of coal tar, pitch and sand, the effort being to so proportion the mixture and

sizes that one layer will roll into and fill the voids of the previous layer, until the final pavement is an extremely dense, and at the same time, elastic compound, offering good foothold to horses without being subject to appreciable wear. While this pavement has not yet been in use a sufficient length of time to fully determine all its qualities and make a relative comparison with other pavements possible, it apparently possesses certain qualities which are among the most essential and at the same time hardest to obtain in a smooth pavement. The fine stone or grit used in the top coat, together with the natural elasticity of the compound, prevents its being slippery even in cold weather, and so far as observed water has no serious effect upon it, as it does upon asphalt.

It is doubtful if we ever find a pavement that in economy, and for extensive use will supplant our ordinary macadam, but I feel that the city has done practically nothing to overcome and remove the greatest objection that attaches to the use of macadam, namely, the dust.

We now have fifty-eight miles of macadam roadway, and for the past five years our average increase has been four miles per year. Our city enjoys the reputation of having beautifully constructed, well kept streets, and yet we allow the most destructive agency, the wind, to have free access, and every windy day in summer not only robs our streets of hundreds of dollars worth of valuable material, but deposits it in the residences, the stores and in the eyes of our citizens where it immediately becomes an unbearable nuisance.

The ideal condition of macadam is generally obtained the day after a rainstorm, when the fine dust formed by the wear has been cemented by the rain and forms a smooth coating over the stone. This condition can be obtained by proper sprinkling, and in no other way, and if there were no other argument for street sprinkling, I believe that the mere question of economical maintenance

would warrant the expense. But the state has seen fit to consider street sprinkling as being in the list of public necessities, and by Chapter 179 of the Acts of 1891, has permitted cities to appropriate for street sprinkling, and assess the expense of such sprinkling in whole or in part upon abutting property.

Many cities have availed themselves of this privilege, and I find by inquiries that most satisfactory results have been obtained. Not counting the first cost of sprinkling carts, a liberal estimate of the cost of sprinkling the streets would be $300.00 per mile. An assessment of two cents per front foot per annum would amount to about $180.00, leaving the net cost about $120.00 per mile per annum.

While the sprinkling of our macadam streets is thus strongly recommended, we have about one-half mile of block asphalt streets upon which no sprinkling should be allowed. Water is a serious menace to any form of asphalt pavement, and the sprinkling which has been done on this sort of pavement has been a serious injury. Moreover, it is impossible to keep such a pavement clean when it is constantly being sprinkled, and the experiment tried last year on Pleasant street between Union and Elm of thoroughly flushing the street three times a week, and keeping the sprinkling carts off, gave perfect satisfaction because the street was at all times clean, with no dust to blow about and no slime to invite a fall.

I recommend to the Board that the same action be taken with reference to all asphalt pavements.

Respectfully submitted,

C. F. LAWTON.

STREETS ACCEPTED.

Street.	Location.	Width. Feet.	Length. Feet.
Adams	546.68 ft. west of County to Mt. Pleasant	50	1,053.38
Bay	Dartmouth to Cottage	40	293.70
Chancery	Kempton to Sycamore	30	668.46
Chancery	Kempton to Sycamore	40	598.44
Chancery	Tilton to Robeson	40	449.27
Cedar Grove	E. Line O. C. R. R. to Purchase	40	68.57
Coggeshall	Bowditch to Purchase	40	629.80
Collette	Bowditch to Church	50	1,028.01
Cornell Place	E. Line O. C. R. R. to Purchase	30	66.00
Davis	Church to W. Line O. C. R. R.	50	381.96
Devoll	Grape to Allen	40	352.10
Earle	Front to Acushnet Ave.	50	450.55
Hickory	Harrison to Clay	40	201.38
Jean	Coggeshall to Sawyer	40	469.44
Liberty	Kempton to Smith	40	1,541.43
Lombard	Thompson to Rockland	50	471.19
Mulberry	Larch to Fruit	40	360.13

STREETS ACCEPTED—*Continued.*

Street.	Location.	Width. Feet.	Length. Feet.
Myrtle	Penniman to Peckham	50	535.50
N. B. & F. Bridge	Front to Water	70	236.91
Penniman	County to Reynolds	40	70.00
Penniman	County to Reynolds	50	313.72
Phillips Ave.	Riverside Ave. to Belleville Ave.	50	845.75
Phillips Ave.	Belleville Ave. to Church	50	2,713.78
Rounds	Court to Elm	40	441.10
Summit	Kempton to Mill	40	155.32
	Total, 14,395.89 feet, or 2.727 miles.		14,395.89

STREET WIDENINGS LAID OUT AND ACCEPTED.

Street.	Location.	Amount of Widening.	Length.
Acushnet Ave.	Howard Ave. to Main St.	14 feet on east side	2,076.33
Weld	W. Line of Weld to Purchase	30 feet on north side	372.00
			2,448.33

Total, 2,448.33 feet, or 0.464 miles.

MACADAM, NEW.

STREET.	LOCATION.	Length.	Area. Sq. Yds.	Cost.
Arch	Between Arnold and Union	613.0	1,157.8	$456.37
Austin	Between County and Ashland	641.0	1,210.7	558.86
Austin	Between Cedar and Shawmut Ave.	947.0	1,876.4	828.52
Beech	Between Kempton and Mill	170.0	330.6	160.16
Belleville Ave.	Between Coggeshall and Sawyer	692.0	1,906.7	813.95
Bonney	Between Rivet and Washington	1,556 5	3,666.7	1,448.78
Bowditch	Between Cedar Grove and Nash Road	4,673.5	11,655.7	5,220.28
Chancery	Between Arnold and Court	850.0	1,700.0	589.23
Coffin Ave.	Between Acushnet Ave. and Church St.	1,322.7	3,380.2	1,297.70
Coggeshall *	Between Acushnet Ave. and Bowditch	405.0	1,080.0	459.52
Durfee	Between Cedar and Shawmut Ave.	1,132.6	2,397.0	976.20
Fruit	Between Juniper and Dartmouth	918.7	1,735.3	735.60
Greene	Between Allen and Bedford	342.0	494.0	212.44
Juniper	Between Larch and Fruit	337.0	680.0	218.14
Kempton **	Between Reed and Rockdale Ave.	370.0	699.0	299.64
Larch	Between Juniper and Dartmouth	974.0	1,948.0	718.35
Maitland	Between Cedar and Shawmut Ave.	670.0	1,341.0	629.60
Mill	Between Rockdale Ave. and Kempton	552.0	1,524.9	436.66
Nash Road	Between Acushnet Ave. and Bowditch	617.6	1,578.3	757.25
Newton	Between Elm and Kempton	541.0	1,051.9	373.84
Nye	Between Front and Acushnet Ave.	334.9	925.1	371.30
Orchard	Between Washington and Dartmouth	624.0	1,296.5	577.08
Page	At Allen	35.0	46.7	40.42
Pearl	Between Pleasant and County	722.2	1,621.7	779.36
Rotch **	Between Hawthorn and Court	1,449.4	3,761.4	1,468.45

MADADAM, NEW—*Continued.*

STREET.	LOCATION.	Length.	Area. Sq. Yds.	Cost.
Sawyer	Between Mitchell and Belleville Ave.	229.0	610.7	322.78
Second **	Between Blackmer and Rivet	258.2	1,030.0	858.03
State	Between Willis and Pearl	246.3	504.6	195.31
Summer **	Between Parker and Merrimac	815.0	1,685.0	767.55
Thompson	Between Fourth and County	240.7	481.4	218.37
Thompson	Between Crapo and Orchard	421.0	944.6	416.56
Union	Between Ash and Park	749.0	2,036.0	791.16
Willis	Between Pleasant and County	730.5	1,484.3	819.35
Winsor *	Between County and Crapo	957.0	2,445.6	712.84
		26,137.8	60,287.8	$25,529.65

* Incomplete.

** Partly rebuilt.

Cost per square yard,	$ .422
Cost per foot,	.957
Average tons of stone per square yard,	.394

MACADAM BITUMINOUS.

Street.	Location.	Length.	Area. Sq. Yds.	Cost.
Fifth	Between Russell and Madison	624.3	1,670.0	$3,908.64
Fifth	Between Spring and Union	222.8	574.6	1,251.18
Market	Between Pleasant and Sixth	210.0	668.4	1,474.40
Pleasant	Between Linden and Weld	556.1	1,513.3	3,320.48
		1,613.2	4,426.3	$9,954.70

Cost per square yard, $2.249

MACADAM REBUILT.

STREET.	LOCATION.	Length.	Area. Sq. Yds.	Cost.
Acushnet Ave.	North and south of Coffin Ave.	285.0	546.7	$363.52
Acushnet Ave.	North and south of Coffin Ave. (new)		150.0	
Acushnet Ave.	North of Belleville Road	300.0	664.2	274.63
Acushnet Ave.	North of Belleville Road (new)		132.5	
Acushnet Ave.	South of Howard Ave.	211.8	392.2	199.52
Acushnet Ave.	South of Howard Ave. (new)		149.0	
Allen	Between Greene and Dartmouth	180.0	394.4	165.14
Allen	West of Rural	727.2	1,777.6	888.82
Campbell	Between Pleasant and State	395.0	776.8	224.21
Cannon	Between Water and Second	362.0	683.8	285.00
Cottage	Between Dartmouth and Bay	195.0	400.0	139.31
Cottage	Between Hillman and Sycamore	586.5	1,160.0	280.04
Dartmouth	Between Town Line and Allen	4,861.0	10,887.3	3,305.40
Depot	Approach to	483.3	2,656.8	896.69
Grinnell	Between County and Crapo	523.0	987.9	338.84
Grinnell	Between Orchard and Dartmouth	422.0	895.6	251.01
High	Between Acushnet Ave and Purchase	203.0	399.2	220.63
Hillman	Between Foster and County	708.0	1,374.2	376.21
Hillman	Between Cottage and Ash	591.0	1,277.8	331.10
Middle	Between Acushnet Ave. and Pleasant	408.0	793.3	219.85
North	Between Foster and County	449.0	898.0	309.11
North	Between Summer and Chestnut	243.0	486.0	149.83
Orchard	Between Madison and Arnold	556.5	1,113.0	313.58
Pearl	East of Acushnet Ave.	255.7	751.6	313.73
Pleasant	Between Pearl and Austin	1,795.0	4,166.0	1,325.11

MACADAM REBUILT—*Continued.*

STREET.	LOCATION.	Length.	Area. Sq. Yds.	Cost.
Rockdale Ave.	Between Hillman and Maxfield	263.0	599.1	$193.18
Second	Between South and Grinnell	428.0	907.6	316.49
Second	Between Griffin and Cannon	564.0	1,128.0	358.63
Second	Between North and Maxfield	516.0	1,003.3	444.27
South	Between Second and Acushnet Ave.	208.0	416.0	145.84
Spring	Between Water and First	140.0	513.3	175.26
Spring	Between Second and Acushnet Ave.	189.6	366.5	231.00
Union	Between County and Ash	1,290.4	2,514.0	984.13
Walnut	Between Acushnet Ave. and Sixth	681.8	1,342.1	444.94
		19,021.8	42,703.8	$14,465.02

Cost per sqare yard,	$ .335
Cost per foot,	.747
Average tons of stone per square yard,	.284

MACADAM REPAIRED.

Total cost, $1,831.96

PAVING, NEW.

Street.	Location.	Asphalt Block.		Granite Block.		Cobble.		Cost.
		Length. feet.	Area. Sq. Yds.	Length. Feet.	Area. Sq. Yds.	Length Feet.	Area. Sq. Yds.	
Front	Between School and Middle			1 483.5	3.364.9			$8,880.54
Hillman	Foot of			28.0	56.7			147.42
Mill *	At Kempton				37.4			23.84
Purchase	Between Pope and Linden			1,611.1	3 138.8			8,293.11
Second	North of William	196.2	513.5					1,533.65
South	Square at Prospect					38.8	143.6	78.70
Water *	Between William and Middle			563.9	1 529.4			1,915.72
William	Between Bethel and Second	104.7	272.7					814.28
		300.9	786.2	3.686.5	8,127.2	38.8	143.6	$21.687.26

* Laid with old blocks.

Total cost of granite block paving,	$19,260.63
Cost per square yard concrete foundation,	2.64
Total cost asphalt,	2,347.93
Cost per square yard,	2.987
Total cost of cobble paving,	78.70
Cost per square yard,	.548

PAVING REPAIRED.

Cobble paving,	$3,306.62
Asphalt paving,	25.15
Block paving,	707.40

FILLING AND GRADING.

STREET.	LOCATION.	COST.
Adams	Between County and Mt. Pleasant	$279.28
Arnold	Between Tremont and Sisson	315.76
Bolton Road		119.78
Bowditch	Between Cedar Grove and Coggeshall	618.13
Bowditch	North of Sawyer	330.65
Braley Road	West of Acushnet ave.	604.35
Coffin Ave.	West of Acushnet ave.	154.24
Collette	West of Bowditch	417.47
Diman	South of Whitman	390.52
Durfee	West of Cedar	139.80
Durfee	West of Shawmut ave.	120.20
Durfee	East of Rockdale ave. [ave.	102.36
Grant	Between Purchase st. and Purchase	384.46
Hemlock	North and South of Thompson	109.26
Holly *	Between Acushnet ave. and Brook	560.92
Hollyhock	West of Dartmouth	139.66
Howland Dock*		1,482.09
Jean *	South of Sawyer	362.18
Kempton	Between Reed and Chepatchet	122.06
Kenyon *	Foot of	105.78
Middle	Between Florence and Rounds.	184.32
Mt. Pleasant rd.	South of Plainville road	235.13
Nash road	Between Acushnet ave. and Bowditch	121.17
Nash road	East of Mt. Pleasant road	102.45
Norman	East of Brock ave.	283.08
North*	Foot of	2,330.64
Palmer	Between Union and Elm	135.57
Pearl	Between State and County	190.11
Penniman		118.24
Phillips ave.	East of Acushnet ave.	148.22
Phillips ave.	West of Bowditch	347.80
Phillips road	Between Acushnet ave. and Braley rd.	674.21
Plainville road		111.59
Potomska *	Foot of	356.11
Purchase ave.		154.34
Rotch	South of Union	202.78
Ruth *	West of East French ave.	123.20
Second	Between Cove and Division	125.10
Second	Between Blackmer and Rivet	106.15
Sisson	Between Arnold and Court.	323.79
Tarkiln Hill rd.		195.24
Tinkham	East of Acushnet ave.	155.64
Union	Between Atlantic and Sisson	306.08
Vine	Between Durfee and Mt. Vernon	344.19
Wall *	Foot of	731.89
Washburn*	Foot of	489.42
Sundry streets	Costing less than $100.00	3,739.25
		$19,194.66
Deducted because charged to collecting ashes,		$5,098.31
Deducted because charged to street cleaning,		1,070.90
Deducted because chg'd to cleaning catch-basins,		686.62
		$6,855.83
		$12,338.83

* Used for ash dump.

GUTTERS, NEW.

Street.	Location.	Length.	Area. Sq. Yds.	Cost.
Arnold	Both sides, between Tremont and Rotch	780	265	$150.43
Atlantic	Both sides, between Maple and Arnold	710	249	107.93
Atlantic	Both sides, between Arnold and Union	953	321	175.47
Austin	Both sides, across Bullock	44	39	33.67
Belleville ave.	West side, between Coggeshall and Sawyer	676	225	125.03
Bonney	West side, between Rockland and Washington	459	177	72.69
Bowditch	Both sides, between Cedar Grove and Nash road	8,618	3,466	1,984.71
Brownell	Both sides, between Union and Court	374	128	75.92
Cedar Grove	North side, between Bowditch and Blackburn	315	129	65.35
Chancery	East side, between Arnold and Union	491	163	79.46
Chancery	West side, north of Court	80	26	20.75
Coffin ave.	Both sides, between Acushnet ave. and Church	2,828	1,123	644.18
Coggeshall	Both sides, between Acushnet ave. and Bowditch	829	280	147.59
Collins	Both sides, between Cottage and Cedar	885	307	188.38
Crapo	East side, between Division and Mosher	154	51	27.95
Durfee	South side, between Cedar and Shawmut ave.	890	325	241.61
Durfee	Both sides, east of Rockdale ave.	1,508	583	485.82
First	East side, between School and Walnut	376	146	132.08
Grape	North side, between Short and Rural	724	297	219.39
Hillman	Both sides, between Ash and Newton	1,845	694	393.89
James	East side, between Union and Court	230	76	35.27
Juniper	Both sides, between Larch and Fruit	741	221	177.28
Kempton	South side, between Reed and Rockdale ave.	393	163	110.46
Kempton	South side, between Rockdale ave. and Chepatchet lane	482	187	105.80
Lindsey	Both sides, between Court and Kempton	2,140	720	347.65
Maitland	Both sides, between Cedar and Shawmut ave.	652	217	134.56
Maple	Both sides, between Ash and Chancery	766	255	138.44
Maxfield	North side, between Cedar and Ash	208	69	38.12
Mitchell	Both sides, between Coggeshall and Sawyer	1,440	488	283.02

GUTTERS, NEW—*Continued.*

Street.	Locattion.	Length.	Area. Sq. Yds.	Cost.
Nash road	Both sides, between Acushnet ave. and Bowditch	1,170	457	$270.74
Ocean	West side, between Arnold and Union	303	101	51.90
Palmer	Both sides, between Union and Elm	1,374	460	309.11
Pearl	Both sides, between Pleasant and County	1,434	487	229.75
Penniman	Both sides, between Reynolds and Myrtle	587	224	175.39
Rotch	Both sides, between Hawthorn and Court	2,615	1,042	514.62
Sawyer	South side, between Mitchell and Belleville ave.	455	151	109.93
Second	Both sides, between Cove and Division	1,265	497	417.49
Sisson	Both sides, between Union and Court	435	145	80.87
State *	West side, between Willis and Pearl	208	80	46.67
Tremont	Both sides, between Arnold and Court	1,661	563	297.75
Trinity	Both sides, between Cedar and Wilson	813	271	177.37
Union	North side, between Park and Tremont	735	250	145.83
Union	Both sides, between James and Palmer	2,347	793	506.72
Union	North side, across Palmer	48	42	32.18
Vine	Both sides, between Durfee and Mt. Vernon	1,931	760	414.58
Willis	Both sides, between Pleasant and County	1,430	487	228.84
Willow	Both sides, between Cottage and Cedar	808	314	233.99
Willow	Both sides, between Cedar and Shawmut ave.	1,749	716	418.43
Wilson	Both sides, between Austin and Durfee	544	203	127.89
Winsor	South side, between County and Crapo	86	33	22.64
		52,589	19,466	$11,555.59

* Partly rebuilt.

Cost per square yard,	$ .593
Cost per foot length and average width,	.219

GUTTERS REPAIRED.

Total cost,	$1,314.64
Length in feet,	6,066
Area in square yards,	2,170
Cost per foot,	$ .17
Cost per square yard,	.467

GUTTERS, CONCRETE.

STREET.	LOCATION.	LENGTH.	AREA. Sq. Yds.	COST.
Summer	Both sides, between Parker and Merrimac	1,618	539	$332.33
Union	Both sides, between County and Ash	2,427	844	552.23
		4,045.	1,383	$884.56
	Cost per square yard,	$ .639		
	Cost per foot length and average width,	.218		

CURBING, NEW.

STREET.	LOCATION.	LENGTH.	COST.
Acushnet ave.	East side, between Logan and Hicks	264.4	$131.19
Acushnet ave.	West side, north of Coffin ave.	50.3	28.60
Arnold	South side, between Ash and Chancery	385.0	220.98
Beetle	Both sides, between Belleville and Acushnet aves.	1,237.0	674.38
Blackmer	North side, east of Front	36.5	32.49
Blackmer	North side, between Second and Acushnet ave.	226.6	122.27
Bolton road	Both sides, between Rivet and Thompson	446.9	250.62
Bonney	East side, north of Rivet	86.7	59.57
Bonney	Southwest and northwest corners Fair	25.0	15.69
Borden	East side, between Allen and Bedford	350.0	209.22
Bowditch	East side, between Cedar Grove and Coggeshall	213.1	112.40
Bowditch	Southeast, northeast and northwest corners Coggeshall	37.5	21.94
Bowditch	Southeast and northeast corners Bentley	25.0	17.18
Bowditch	Southeast corner Beetle	12.5	8.07
Bowditch	Square at Holly	50.0	31.75
Bowditch	Southeast and northeast corners Tallman	25.0	15.51
Bowditch	Southeast and northeast corners Nye	25.0	14.36
Bowditch	Square at Deane	50.0	31.30
Bowditch	Southeast, southwest and northeast corners Coffin ave.	37.5	23.61
Bowditch	Southeast corner Phillips ave.	12.5	8.50
Cedar	West side, between Maxfield and Sycamore	204.8	102.48
Chancery	West side, north of Court	80.8	45.25
Chancery	West side, between Parker and Tilton	198.1	103.18
Chancery	East side, south of Tilton	53.8	30 41
Coffin ave.	Southwest corner Acushnet ave.	12.5	7.69
Coffin ave.	North side, between Acushnet ave. and Church	698.8	398.33

CURBING, NEW—*Continued.*

STREET.	LOCATION.	LENGTH.	COST.
Coggeshall	South side, between Acushnet ave. and Bowditch	265.8	$138.17
Collins	Southwest and northwest corners Cottage	25.0	13.96
County	East side, between Merrimac and Hazard	201.4	122.41
Court	North side, west of Chancery	54.9	30.09
Crapo	East side, between Division and Mosher	138.2	75.51
Durfee	South side, between Wilson and Shawmut ave.	636.5	346.05
Front	East side, north of Blackmer	79.0	54.22
High	South side, between Pleasant and Foster	151.5	87.07
Hillman	Northwest and southwest corners Chancery	25.0	15 34
Hillman	Northwest corner Park	12.5	7.61
Hunter	Both sides, between Kempton and Mill	326.1	186.84
James	Southeast corner Court	12.5	8.09
Juniper	Southeast and southwest corners Rivet	25.0	15.69
Kempton	North side, east of Hunter	29.3	17.77
Kempton	South side, west of Rockdale ave.	74.5	44.38
Kempton	Southeast corner Chepatchet lane	12.5	8.29
Linden	North side, between County and Ashland	451.2	265.36
Lindsey	West side, north of Court	12.5	8.09
Maxfield	North side, between Cedar and Ash	199.6	103.90
Palmer	Southwest and northeast corners Court	25.0	16.18
Palmer	West side, between Court and Elm	169.8	89.79
Park	West side, between Kempton and Mill	62.7	32.49
Rivet	North side, east of Bolton road	64.9	38.32
Rockdale ave.	West side, south of Kempton	16.3	10.06
Rockland	North side, between County and Hall	332.8	200.87
Rotch	Northeast corner Hawthorn	12.5	7.54

CURBING, NEW—*Continued.*

STREET.	LOCATION.	LENGTH.	COST.
Rotch	Southeast and northeast corners Arnold	25.0	$15.48
Rotch	Southeast, northeast and northwest corners Union	37.5	22.39
Shawmut ave.	East side, south of Willis	47.6	24.31
State	Northwest corner Willis	12.5	7.64
Summer	East side, between Parker and Pope	228.1	124.55
Summer	Both sides, between Pope and Locust	487.7	264.33
Summer	Southwest corner Locust	12.5	7.28
Summer	Both sides, between Locust and Merrimac	507.0	338.49
Tilton	South side, between Shawmut ave. and Chancery	208.9	115.30
Tremont	West side, between Arnold and Union	61.5	39.32
Tremont	Southeast corner Court	12.5	7.53
Union	Southeast and northeast corners Tremont	25.0	15.06
Union	Southeast and northeast corners James	25.0	15.22
Union	Square at Armour	50.0	32.09
Union	Square at Brownell	50.0	31.51
Union	Southeast, southwest and northeast corners Sisson	37.5	27.72
Union	Northeast and northwest corners Palmer	25.0	16.42
Willis	Southeast corner County	12.5	8.04
Willis	South side, east of Shawmut ave.	53.2	27.08
Willow	Northeast and northwest corners Bullock	25.0	15.30
		10,206.3	$5,816.12

Cost per foot,	$ .567
Cost per foot of stone,	.418
Cost per foot of labor,	.149
Cost curbing, new, with old stone,	.65
Length feet curbing, new, with old stone,	697
Total cost new curbing,	$5,840.29

CURBING RELAID.

Total cost,	$1,987.12
Cost per foot relaid with new stone,	.585
Cost per foot relaid with old stone,	.147
Length feet curbing relaid with new stone,	2,373
Length feet curbing relaid with old stone,	4,015.9

STREET.	LOCATION.	AREA. Sq. Yds.	COST.
Acushnet ave.	East side, south of Spring	53.97	$32.04
Bolton road*	East side, north of Rivet		30.99
Cedar	West side, between Maxfield and Sycamore	64.24	37.02
Chancery	West side, between Parker and Tilton	208.42	108.92
Chestnut	West side, between Smith and Campbell	82.29	48.06
County	East side, between Smith and Campbell	66.93	41.94
Court	North side, west of Chancery	39.23	28.91
Elm	North side, between Acushnet ave. and Purchase	22.25	23.39
Grinnell	South side, between Front and Water	32.39	20.01
Hunter	East side, between Kempton and Mill	111.12	60.10
Kempton	North side, east of Hunter	31.36	10.23
Madison	South side, between Fourth and Fifth	102.05	34.86
Maxfield	North side, between Cedar and Ash	178.29	88.76
Merrimac	North side, between County and Summer	355.52	162.32
Palmer	West side, south of Elm	152.94	104.69
Palmer	West side, between Elm and Kempton	71.29	43.74
Park	West side, between Kempton and Mill	49.29	28.26
Parker	South side, between Shawmut ave. and Chancery	32.14	16.95
Parker	North side, west of Shawmut ave.	774.33	344.25
Potomska	South side, between Water and First	9.80	3.45
Richmond	East side, between Locust and Maitland	35.20	19.29
Rivet *	North side, east of Bolton road		6.10
Shawmut ave.	East side, south of Willis	43.09	17.75
Smith	North side, between Walden and County	56.53	35.30
South	North side, west of Water	29.44	15.18
Spring	South side, east of Acushnet ave.	16.62	9.46

CONCRETE, NEW—*Continued.*

Street.	Location.	Area. Sq. Yds.	Cost.
Summer	East side, south of Middle	91.68	$56.77
Tilton	South side, between Shawmut ave. and Chancery	97.14	39.82
Water	West side, between Cove and Delano	812.15	497.15
Water	East side, between Delano and Blackmer	305.63	172.04
Water	West side, between Blackmer and Rivet	65.78	24.20
Water	East side, north of Potomska	35.47	15.59
Water	West side, north of South	42.58	31.90
Water	East side, south of Grinnell	81.53	50.22
Water	West side, between William and Elm	253.58	156.99
Water	East side, between Rodman and Elm	162.56	87.65
Willis	South side, east of Shawmut ave.	54.06	22.29
		4,630.89	$2,526.59

* Incomplete.

Cost per square yard, $ .54

CONCRETE REPAIRED.

Total cost,	$3,417.07
Area in square yards rebuilt,	6,239.37
Cost per square yard,	$ .432
Area in square yards, top coat,	385.4

GRANOLITHIC.

STREET.	LOCATION.	AREA. Sq. Yds.	COST.
Acushnet ave.	East side, between Blackmer and Rivet	203.75	$330.16
Arnold place	West side, north of Arnold	152.90	260.20
Blackmer	North side, between Second and Acushnet avenue	194.90	315.85
Bowditch	East side, south of Coggeshall	193.00	312.36
Coggeshall	South side, east of Bowditch	279.30	452.19
County	West side, north of Rockland	276.60	535.75
Court	North side, between Liberty and Tremont	141.30	238.35
Fifth	West side, south of Madison	36.00	58.74
Foster	East side, between High and Kempton	77.80	127.57
High	North side, between Pleasant and Foster	113.50	184.64
Kempton	South side, between Pleasant and Foster	137.60	223.83
Liberty	West side, between Court and Morgan	270.10	437.13
Pleasant	West side, between High and Kempton	88.80	144.41
Purchase	East side, between Union and Elm	627.50	1,087.49
Purchase	East side, between Elm and Maxfield	8.42	11.12
Rivet	South side, between Second and Acushnet avenue	195.60	317.05
Rockland	North side, west of County	282.50	469.38
Second	West side, between Blackmer and Rivet	205.31	332.68
Sixth	West side, between Wing and Bedford	56.50	95.75
William	South side, between Acushnet avenue and Purchase	161.60	280.34
		3,702.98	$6,214.99

Cost per square yard, $1.677.

RECAPITULATION—HIGHWAYS AND STREETS

GROSS EXPENDITURES.

Macadam, new	$25,529.65
Macadam, bituminous	9,954.70
Macadam, rebuilt	14,465.02
Macadam, repaired	1,831.96
Filling and grading	12,338.83
Curbing, new	5,971.71
Curbing, relaid	1,987.12
Gutters, new	11,555.59
Gutters, concrete	884.56
Gutters, repaired	1,314.64
Concrete sidewalks, new	2,526.59
Concrete sidewalks, repaired	3,417.07
Gravel and cinder sidewalks	7,229.47
Paving, new	21,687.26
Paving, repaired	4,039.17
Flagging, new and repaired	2,124.54
Granolithic sidewalks, new	6,214.99
Crosswalks, new and repaired	488.27
Widening Kempton street, Dartmouth line east	462.35
Building bank walls sundry places	934.42
Filling Dartmouth street reservoir	103.33
Clearing up stone Cove road	106.99
Bicycle track East and West French aves.	164.39
Collecting ashes	8,972.03
Sweeping and cleaning streets	14,927.16
Filling holes in streets	1,075.91
Removing snow and ice	31.95
Sanding icy walks	273.33
Picking up small stones	162.55
Carting stock to city yard	495.02
Labor handling stock	195.17
Stable yard work	669.08
Stable office expenses and salaries	1,603.51
Main office expenses and salaries	5,384.61
Janitor	275.00
Registration clerk	69.74
Advertising	13.12
Tools, new and repaired	966.49
Repairs to buildings	203.03
Carriage hire	67.00

Accident account	225.39
Pumps repaired	16.21
Road scrapers repaired	23.01
Fences, new and repaired	509.38
Bills for appraising damages	23.00
Wharfage on curbing, etc.	376.00
Miscellaneous items	1,093.00
Stock, labor and teaming charged at cost	21,224.00
Stock on hand December 2, 1901	7,830.27
	$202,037.58

Cr.

Appropriation	$157,200.00	
Credits	31,953.80	
Stock on hand December 3, 1900	6,032.36	
Excise tax on street railway companies	4,970.44	
Transfer to balance	1,880.98	
		202,037.58

NET EXPENDITURES—HIGHWAYS AND STREETS.

Appropriation	$157,200.00
Excise tax on street railway companies	4,970.44
Transfer to balance	1,880.98
	$164,051.42

HIGHWAYS AND STREETS.

CENTRE CRUSHER.

300 tons of stone, at 45.84 cents per ton.
1,941 tons of stone, at 34.50 cents per ton.
11,720 tons of stone, at 45.01 cents per ton.
14,690 tons of stone, at 55.01 cents per ton.

28,651 tons of stone crushed at an average cost of 25.60 cents per ton, exclusive of the cost of the stone.

DETAILS OF SEWERS CONSTRUCTED IN 1901.

STREET.	LOCATION.	SIZE AND MATERIAL. VITRIFIED PIPE. 8 inch.	10 inch.	12 inch.	24 inch.	BRICK. 72 inch.	Total length.	Greatest cut.	Average cut.	Greatest cut in ledge.	Average cut in ledge.	Cubic yards ledge.	Cubic yards earth.	Total cubic yards excavation.	Number of manholes.	RATE OF GRADE IN FEET PER 100.	Cost of labor.	Cost of labor per foot of length.	Cost of material, teaming, sharpening drills, etc.	Total cost of sewer.	Cost per foot of length.	Assessed.	Ordered.	Commenced.	Finished.	REMARKS.
BY SPECIAL APPROPRIATION.																										
[illegible]	553 ft. west of County to Mt. Pleasant.		1057.5				1057.5	10.80	8.59	4.0	2.28	28	1138	1166	1	5.83; 6.80; 4.81 6.11; 4.91; 6.57	1114.52	1.06	445.23	1559.75	1.48	½ Assessed.	May 7.	June 5.	June 24.	
Allen st.	Brownell to Rural.		596.4				596.4	8.98	8.71				673	673	1	0.89	465.77	.78	223.48	689.25	1.16	⅓ Assessed.	July 16.	August 1.	August 9.	
[illegible]nditch and Deane sts.																			250.00	250.00		½ Assessed.				Remainder of cost.
Coggeshall st.	Belleville ave. east to River.				1291.1		1309.1	8.57	6.73				1308	1308		0.50	1626.72	1.24	1521.47	3148.19	2.41		Nov. 27, 1900.	January 2.	March 16.	Includes 18 ft. of stone culvert.
[illegible]rd st.	Clark's Cove to Brock ave.		575.3	490.7			1066.0	12.49	6.42				866	866	2	0.75; 4.68	1022.47	.96	474.16	1496.63	1.41	⅓ Assessed.	May 7.	June 24.	July 6.	
[illegible]ster st.	126.5 ft. to 227.6 ft. west of Bowditch.		101.1				101.1	8.61	8.51				96	96		0.50	107.05	1.06	35.55	142.60	1.41	⅓ Assessed.		April 1.	April 3.	
[illegible]ney Lind st.	Kempton to Hillman.		486.0				486.0	11.44	9.42				593	593	1	0.40	346.45	.71	172.86	519.31	1.07	⅓ Assessed.	May 28.	July 8.	July 17.	
[illegible]mond st.	Thompson to angle 68.2 ft. so. of Spooner.		264.9				264.9	9.58	8.36				287	287	1	0.50	202.67	.77	96.72	299.39	1.13	⅓ Assessed.	September 10.	October 3.	October 7.	
Merrimac st.	Cottage st. east 119.6 ft.		149.6				149.6	8.42	8.37				163	163	1	1.00	127.80	.85	86.84	214.64	1.43	⅓ Assessed.	May 7.	June 3.	June 5.	
Mill and Kempton sts.																	1.13		9.78	10.91		½ Assessed.				Remainder of cost.
[illegible]lmer st.	Court st. north to angle.		395.0				395.0	8.67	7.67				393	393	1	1.00	213.66	.54	134.49	348.15	.88	⅓ Assessed.	August 6.	August 9.	August 14.	
[illegible]mmer st.	County to 40 ft. east of Myrtle.		653.6				653.6	10.74	8.87	3.8	2.00	40	712	752	1	4.49; 5.62; 8.50;	883.71	1.35	283.73	1167.44	1.79	½ Assessed.	September 10.	October 25.	November 13.	
[illegible]wyer st.	Extended east 202.5 ft.					202.5	202.5									0.25	2989.39	14.76	4679.23	7668.62	37.87		May 21.	July 18.	October 27.	Two side sewers—405 ft. 12 in. pipe.
Summer st. No. 4.	Pope st. north 166.3 ft.		189.3				189.3	9.0	8.04				169	169	1	0.50	223.34	1.18	78.22	301.56	1.59	½ Assessed.	April 23.	May 24.	May 29.	
Summer st. No. 5.	Locust st. north 218 5 ft.		243.5				243.5	9.17	8.56				271	271	1	1.55; 2.63	288.52	1.18	100.12	388.64	1.60	½ Assessed.	April 23.	May 24.	June 1.	
			4712.2	490.7	1291.1	202.5	6714.5					68	6669	6737	11		9613.20		8591.88	18205.08						
BY GENERAL SEWER APPROPRIATION.																										
Jean st.	Sawyer st. south 400 ft.	187.	237.				424.0	11.03	4.19				174	174		1.00; 0.50	61.58	2.57	9.11	70.69	2.95			July 23.		24 feet laid by city.
Pearl st.	Washington ave. to State.		158.4				158.4	6.74	5.95				104	104		6.50	150.44	95	55.30	205.74	1.30			July 20.		
Second st.	Walnut st. north to Brook.		189.				189.	6.18	5.87	5.66	3.76	34	110	144		0.50	310.02	1.64	90.21	400.23	2.12			May 16.		
	Totals.	187.	5296.6	490.7	1291.1	202.5	7485.9					102	7057	7159	11		10135.24		8746.50	18881.74						

PORTABLE CRUSHERS.

Dunbar St., West of Bolton Road.

5,797 tons of stone, at 47.8 cents per ton.
7,963 tons of stone, at 57.8 cents per ton.

13,760 tons of stone crushed at an average cost of 19.32 cents per ton, exclusive of the cost of the stone.

Coffin Ave., cor. of Church St.

1,956 tons of stone, at 45.78 cents per ton.
8,587 tons of stone, at 47.40 cents per ton.
4,560 tons of stone, at 57.40 cents per ton.

15,103 tons of stone crushed at an average cost of 27.54 cents per ton, exclusive of the cost of the stone.

STABLE AND TEAMING ACCOUNT.

Stock on hand December 3, 1900, (horses, teams, harnesses, hay, grain, straw, etc.)		$16,267.55
Gross cost for 1901		35,298.84
		$51,566.39
Received from Water Works, (board of horses)	$832.00	
Received for dressing	755.66	
Received for pigs	117.75	
Received from sundry persons	24.25	
Stock on hand December 2, 1901	16,099.20	
		$17,828.86
Cost of teaming, including repairs of carts		33,737.53
Charge for work teams have done		31,714.19

DEPARTMENT HORSES.

Working horses	38
Driving horses	2
Total	40

CARTS IN USE.

Double carts	16
Single carts	17
Express wagons	4
Total	37

EXTRA CARTS, ETC.

Sundown	1
Light driving wagons	3
Open buggy	1
Goddard buggy	1
Water carts	2
Jigger	1
Single gear	1
Derrick gears	2
Sleighs	2
Road scrapers	2
Street sweepers	2
Total	18

BLACKSMITH SHOP.

Stock on hand December 3, 1900		$1,539.15
Gross cost for 1901		3,595.27
Total		$5,134.42
Charged to sewers	$420.50	
General sewers	428.27	
Sundry persons and departments	50.16	
Stock on hand December 2, 1901	1,491.86	
		2,390.79
Cost of blacksmithing to Highways and Streets		$2,743.63

PERMITS GRANTED BY THE BOARD IN 1901 ARE AS FOLLOWS:

Obstructing sidewalks	102
Disturbing the surface of the streets	141
Locations of poles	54
Signs	78
Hitching posts	20
Awnings	4
Planting trees	21
Building obstructions	4
Moving buildings	31
Drains	508
	963

HIGHWAYS AND STREETS.

	1896	1897	1898	1899	1900	1901
Macadam, new	$14,939.84	$26,095.02	$21,652.17	$24,417.11	$25,599.47	$25,529.65
Macadam, repaired	529.48	1,289.19	1,564.20	1,186.97	1,797.34	1,831.96
Macadam, rebuilt	17,245.91	6,776.42	17,158.36	20,773.43	9,128.12	14,465.02
Streets filled and graded	17,802.55	29,286.35	30,157.63	9,387.82	15,162.16	12,338.83
Curbing, new and relaid	12,652.55	14,471.13	14,818.59	8,171.18	7,805.38	7,827.41
Gutters, new	7,577.69	7,633.08	11,903.24	7,810.30	10,502.93	11,555.59
Gutters, repaired	1,946.53	778.87	1,502.05	2,187.37	1,108.84	1,314.64
Concrete sidewalks, new	4,194.62	4,018.96	1,821.92	2,023.93	3,645.00	2,526.59
Concrete sidewalks, repaired	830.20	1,313.32	999.33	1,653.50	1,960.90	3,417.07
Gravel and cinder sidewalks	4,355.31	5,109.00	6,099.03	3,646.54	5,580.39	7,229.47
Paving, new	4,908.79	12,573.83	16,027.71	27,477.52	17,230.63	21,687.26
Paving, repaired	3,124.82	3,299.17	1,311.13	6,626.53	2,642.07	4,039.17
Flagging, repaired	1,515.99	1,412.64	1,691.61	1,301.54	1,238.24	2,124.54
Crosswalks, new and repaired	804.56	569.73	553.72	929.93	866.47	488.27
Sweeping and cleaning streets	5,176.86	11,250.60	9,106.06	11,089.47	11,994.32	14,927.16
Removing snow and ice	2,009.17	1,697.33	7,422.25	5,202.61	245.57	31.95
Collecting ashes	8,722.80	8,998.60	9,976.42	10,128.02	9,470.04	8,972.03
Trimming trees	372.03	507.70	809.00	685.24	743.04	1,484.06
Filling holes in streets	614.80	1,321.03	993.60	684.20	755.44	1,075.91

HIGHWAYS AND STREETS.

MACADAM	1896	1897	1898	1899	1900	1901
New:—						
Length in feet	17,995	24,364	26,458	22,427	19,468	26,137.8
Area in square yards	38,829	39,058	58,134	52,101	46,044	60,287.8
Tons of stone used	14,405	24,092	22,044	22,456	21,185	19,189.0
Total cost	$14,939.84	$26,095.02	$21,652.17	$24,417.11	$25,599.47	$25,529.65
Cost per square yard	$.384	$.441	$.389	$.463	$.554	$.422
Av. tons of stone used per sq. yd.	.371	.408	.394	.431	.452	.394
Rebuilt:—						
Length in feet	21,808	9,139	24,510	24,230	17,718	19,021.8
Area in square yards	43,019	19,375	53,205	52,500	32,163	42,703.8
Tons of stone used	15,486	6,304	16,843	14,011	7,644	13,117
Total cost	$17,245.91	$6,776.42	$17,158.36	$20,773.43	$9,123.12	$14,465.02
Cost per square yard	$.40	$.35	$.315	$.354	$.359	$.335
Av. tons of stone used per sq. yd.	.36	.325	.388	.317	.305	.284
Repaired:—						
Total cost	$529.48	$1,289.19	$1,564.20	$1,186.97	$1,797.34	$1,831.96

PAVING	1896	1897	1898	1899	1900	1901
Granite block on gravel:—						
Area in square yards	30.			1,920		
Cost	$55.34			$3,872.04		
Cost per square yard	$1.854			$2.03		
Granite block, concrete foundation:						
Area in square yards	1,242	3,743	6,563	8,102	2,124	8,127.2
Cost	$3,117.58	$8,593.77	$15,596.36	$16,803.66	$5,110.86	$19,260.63
Cost per square yard	$2.51	$2.295	$2.37	$2.71	$2.41	$2.64
Block asphalt:—						
Area in square yards		1,088		3,924	2,353	786.2
Cost		$2,807.88		$10,643.86	$6,395.92	$2,347.93
Cost per square yard		$2.58		$2.71	$2.718	$2 987
Cobble:—						
Area in square yards	3,679	3,314	1,119		9,794	143.6
Cost	$1,074.16	$1,172.18	$431.35		$5,723.85	$78.70
Cost per square yard	$.542	$.405	$.385		$.594	$.548

HIGHWAYS AND STREETS.

GUTTERS	1896	1897	1898	1899	1900	1901
New :—						
Length in feet	39,760	40,884	65,186	42,024	49,673	52,381
Average width	3.30	3.4	3.3	3.3	3.5	3.3
Area in square yards	15,715	15,448	23,718	15,701	19,317	19,386
Cost	$7,577.69	$7,633.08	$11,903.23	$7,810.30	$10,502.93	$11,555.59
Cost per square yard	.482	.489	.501	.49	.567	.593
Cost per foot in length, of av'ge width	.19	.185	.182	.182	.209	.219
Repaired :—						
Length in feet	8,088	2,211	8,979	16,677	6,833	6,066
Area in square yards	3,093	774	3,075	6,595	2,337	2,170
Cost	$1,946.53	$778.87	$1,502.05	$2,187.37	$1,108.84	$1,314.64
Cost per square yard	.384	.305	.281	.24	.272	.467
Cost per foot in length	.147	.107	.096	.097	.089	.17

Curbing	1896	1897	1898	1899	1900	1901
New :—						
Length	23,583	27,429	31,097.20	13,410	12,024	10,206.3
Cost	$11,973.77	$13,152.64	$14,108.14	$7,092.01	$6,809.20	$5,816.12
Cost per foot	.51	.481	.448	.531	.551	.567
Cost of stone per foot	.35	.325	.30	.42	.39	.418
Cost per foot for labor	.16	.156	.148	.111	.15	.149
Relaid with new curbing :—						
Length	301	1,024	1,154.65	1,381	723	2,373
Cost per foot	$.512	$.52	$.441	$.496	$.548	$.585
Relaid with old curbing :—						
Length	3,099	1,657	1,493.45	5,767	4,595	4,015.9
Cost per foot	$.115	$.139	$.098	$.115	$.151	$.147

HIGHWAYS AND STREETS.

CONCRETE	1896	1897	1898	1899	1900	1901
New :—						
Area in square yards	11,323	9,742	6,449	5,465	8,198	4,630.89
Cost	$4,194.62	$4,018.96	$1,821.92	$2,023 93	$3,689.67	$2,526.59
Cost per square yard	.374	.422	.358	.378	.432	.54
Rebuilt :—						
Area in square yards	1,255	3,257	2,215	2,257	3,284	6,239.37
Cost per square yard	$.292	$.311	$.371	$.421	$.39	$.432
Topcoat :—						
Area in square yards	697	579	219	644	1,021	
Cost per square yard	$.249	$.256	$.264	$.219	$.311	

WIDENING ACUSHNET AVENUE.

Howard avenue to Lund's corner.

Land damages	$1,713.69	
Grading street and building walls	955.56	
		$2,669.25
Cr.		
Appropriation		$5,714.00
Expended		2,669.25
		$3,044.75

WIDENING KEMPTON STREET.

Rockdale avenue to Dartmouth line.

Grading	$97.64	
Macadam and gutter	1,202.36	
		$1,300.00
Cr.		
Special appropriation		$1,300.00

WIDENING KEMPTON STREET.

West of Chepatchet lane.

Land damages	$800.00
Cr.	
Appropriation	$800.00

COGGESHALL STREET BRIDGE.

Labor opening draw	$23.70	
Repairing, oiling, painting, etc.	66.03	
		$89.73
Cr.		
Appropriation		$600.00
Expended		89.73
		$510.27
Transferred to highways and streets		200.00
Transferred		$310.27

DRAINS LAID.

Number.	Size Pipe.	Length Feet.	Cost.	Average Cost per Foot.
120	5 inch	4865	$1,551.04	$.318
86	6 inch	4044	1,525.75	.377
10	8 inch	584	634.64	1.08
1	10 inch	48	55.21	1.15
217			$3,766.64	

30 drains repaired, cost	$124 95
195 drains cleared, cost	400.25
Total cost of drains, new, repaired and cleared	4,291.84

CATCH-BASINS, NEW.

Cost	$3,448.08
Number	42
Average cost	$82.09
Catch-basins, discontinued	16

RECAPITULATION—GENERAL SEWERS.

GROSS EXPENDITURES.

Catch-basins, built	$3,448.08
Catch-basins, repaired	318.70
Catch-basins, discontinued	47.24
Manholes, repaired	66.39
Eyeholes, new and repaired	175.91
Culverts and surface drains, new and repaired	2,445.90
Sewer construction	676.66
Sewers, repaired	480.35
Office expenses and salaries	2,376.19
Tools, new and repaired	397.68
Tool-houses, repaired	25.50
Catch-basins, cleaned	3,061.93
Catch-basins, flushed	17.35
Eyeholes and culverts cleaned	28.88
Carting stock to city yard	101.20

Blacksmithing	391.77	
Flushing and cleaning sewers	384.56	
Repairs to diaphragm pumps	122.26	
Repairs to steam drills	92.28	
Boilers repaired	6.30	
Labor handling stock at city yard	24.64	
Registration clerk	69.73	
Accident account	255.75	
Stock furnished at cost	2,643.52	
Drains, new, repaired and cleared	4,291.84	
General repairs	6.09	
Miscellaneous items	282.33	
Stock on hand December 2, 1901	2,173.44	
		$24,412.47

CR.

Appropriation	$12,000.00	
Special appropriation	5,000.00	
Credits	7,994.37	
Stock on hand December 3, 1900	757.82	
		$25,752.19
Expended		24,412.47
Transferred		$1,339.72

NET EXPENDITURES—GENERAL SEWERS.

Appropriation	$12,000.00	
Special appropriation	5,000.00	
		$17,000.00
Credit balance		1,339.72
		$15,660.28

NEW SEWERS.

Sundry sewers built		$18,205.08

CR.

Sundry appropriations	$22,178.28	
Brought forward from 1900	276.65	
		$22,454.93
Expended		18,205.08
		$4,249.85

IN BOARD OF ALDERMEN,

March 27, 1902.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

March 27, 1902.

Concurred.

W. H. B. REMINGTON, Clerk.

1902 — CITY DOCUMENT No. 11.

NINTH ANNUAL REPORT

OF THE

ENGINEERING DEPARTMENT

OF THE

CITY OF NEW BEDFORD

TO THE CITY COUNCIL

BY THE

CITY ENGINEER

FOR THE YEAR 1901.

NEW BEDFORD, MASS.
PRINTED BY THE A. E. COFFIN PRESS.
1902.

REPORT.

CITY OF NEW BEDFORD,
ENGINEERING DEPARTMENT.
January 1, 1902.

To the City Council of the City of New Bedford : —

GENTLEMEN : — In compliance with Section 5 of the ordinance defining the duties of the City Engineer, the following report of the expenses and operations of the Engineering Department for the year ending November 30th, 1901, is respectfully submitted.

EXPENDITURES.

Salaries and pay-rolls	$8,265.05
Rent	741.12
Janitor's services	108.60
Lighting	11.03
Telephone	55.92
Street railway tickets	140.00
Drawing instruments and supplies	71.93
Printing, stationery, etc.	55.93
Sundry supplies	95.48
Repairs to instruments, tapes, etc.	9.10
Sundry labor, not in pay-roll	58.00
Office furniture, repairs and new typewriter	103.62
Print cloth, etc., for platting system	23.80
Horse and carriage hire	11.50
Traveling expenses, postage, express, etc.	39.43
Printing report	17.65
General instruments for office and field	14.14

Meteorological instruments	17.35	
Bound stones	8.00	
Grade crossing investigation	152.11	
		$9,999.76
Balance		.24
		$10,000.00

RECEIPTS.

Appropriation	$10,000.00

Grade crossing expenditures for the year 1895	$517.92
Grade crossing expenditures for the year 1896	2,067 20
Grade crossing expenditures for the year 1897	936 59
Grade crossing expenditures for the year 1898	620.39
Grade crossing expenditures for the year 1899	357.90
Grade crossing expenditures for the year 1900	140.59
Grade crossing expenditures for the year 1901	1,398.16
Total expenditures to date	$6,038.75

There are at present six assistants regularly employed in the department:—George H. Nye, L. J. Hathaway, Jr., Frank H. Murkland, Norman Barstow, Bartlett Allen and Clara W. Phinney.

The following table shows the distribution of time and salaries of the assistants for the year. The cost of administration is shown as an undivided charge.

GENERAL CLASSIFICATION OF WORK DONE.	ASSISTANTS' TIME AND COST.				
	OFFICE.		FIELD.		TOTAL
	Time.	Cost.	Time.	Cost.	Cost.
Approach to New Bedford and Fairhaven bridge, surveys and plans	40	$16.00	2	$ .66	$16.66
Assessors' plats, corrections, record of transfers, etc.	2318	927.20	40	13.68	940.88
Bound stones, lines and levels for setting same	3	1.20	33	11.59	12.79
Catch basins, lines, grades and measurements			43	14.56	14.56
Cemeteries, surveys, plans, posting plat books, etc.	364	126.95	127	54.67	181.62
Com. on Pub. Prop., City Solicitor, Inspector of Bldgs., other city officials	264½	99.22	60	25.46	124.68
Correcting office plans, copying plans, etc.	22½	9.00			9.00
Department of Public Works, surveys, plans, etc., for special work	82	28.22	70	23.02	51.24
Drains, grades and levels for laying same	2	.98	82	28.39	29.37
Drains, location, measures, index of same	324	109.63	108	37.44	147.07
Harbor line, plan showing same	18	3.60			3.60
Indexing plans, note books and other records	1267	304.23			304.23
Meteorological instruments, daily observations, etc.	485	121.73	245	61.83	183.56
New work, measurements, calculation, macadam, concrete, etc.	549	182.97	175	58.18	241.15
Office work, cleaning tapes and instruments, entering orders, errands, etc	819	226.44	16	3.97	230.41
Park Commissioners, surveys, plans, etc.	40	14.22	59	19.67	33.89
Private parties, grades for buildings, steps, etc.	39	16.47	432	145.86	162.33
Public buildings, lines and levels for same	151	72.77	209	70.64	143.41
Report of 1900, compiling information for same	141	57.98			57.98
Sewer construction, grades, levels, plans, records, measurements, etc.	149	72.88	396	152.32	225.20
Sewer assessments, plans, ownerships, records, etc.	178	70.20			70.20
Street Department, grades for construction	69	28.18	786½	269.35	297.53
Street grades, levels taken for establishing same, office records, etc.	111	40.91	71	24.05	64.96
Street layouts, surveys, plans, returns, records, tracings, etc.	651	273.84	312	109.67	383.51
Street numbers, re-numbering, new numbers, records, etc.	91	36.16	88	29.78	65.94
Telephone companies, lines given for poles			14	4.81	4.81
Union Street Railway company, lines, grades, levels, plans, etc.	24	9.60	71	24.84	34.44
Vacations and legal holidays	754	275.58			275.58
Water Works Department, grades, levels, profiles, surveys, etc.	515	180.93	82½	27.47	208.40
Grade crossing investigation	1966	940.88	644	305.17	1246.05
Totals	11,437	$4247.97	4,166	$1517.08	$5765.05
Administration		2500.00			2500.00
Total cost	11,437	$6747.97	4,166	$1517.08	$8265.05

PLATTING SYSTEM.

Record of conveyances of real estate recorded at the Registry of Deeds at New Bedford, as reported to the Board of Assessors each month.

1900, December	81
1901, January	47
1901, February	47
1901, March	70
1901, April	87
1901, May	157
1901, June	96
1901, July	89
1901, August	76
1901, September	85
1901, October	112
1901, November	96
Total	1043

There were no blue prints made for 1901, but 27 new tracings were made of the plats.

Since December 1, 1900, the records of 141 estates have been looked up in the Probate Court at Taunton, necessitating seven trips to that city.

December 1, 1901, there were 14,503 lots shown on the plats, that being 578 more than at the same time last year.

The largest number of transfers for this year made by a single individual was 39.

The work of the Department for the past year is so fully and systematically shown in the tables attached that further explanation as to what has been done, seems to me unnecessary.

In closing, I wish to thank the many citizens and members of the City Council and of other departments who have from time to time kindly assisted this department.

Respectfully submitted,

WILLIAM F. WILLIAMS,

City Engineer.

SUMMARY OF MONTHLY METEOROLOGICAL OBSERVATIONS TAKEN BY THE ENGINEERING DEPARTMENT AT THE PUMPING STATION FOR THE YEAR 1901.

MONTHS.	Barometer Reduced to Sea Level and to 32°.				THERMOMETER.				Relative humidity 5 P. M.	WIND.										WEATHER.					RAIN AND SNOW.		MONTHS.
										Prevailing Direction. No. of Days it was									Mean velocity in miles per hour	Atmosphere. No. of Days it was					Amount of rain and melted snow in inches	Depth of snow in inches	
	5 P. M.	Maximum	Minimum	Range	5 P. M.	Maximum	Minimum	Range		N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Variable		Clear	Fair	Variable	Rain or snow	All others			
January	30.03	30.81	29.08	1.73	30.0	50	5	55	79.5	2	5		4		6		10	4		11	7		11	Cloudy	2.60	3.25	January
February	29.82	30.37	29.35	1.02	27.5	41	6	35	65.8		1				3	2	19	3	14.2	18	5		4	"	.84	9.00	February
March	29.98	30.54	29.33	1.21	38.3	54	9	45	77.7		5	1	4		8	1	8	4	13.0	8	5	1	15	"	7.44		March
April	29.99	30.56	29.36	1.20	46.1	70	29	41	83.6	7	9		9	1	1		1	2	13.5	6	3		17	"	6.78		April
May	29.98	30.30	29.55	.75	56.3	80	37	43	77.6	1	7	1	3	1	9		2	7	10.4	13	2		14	"	8.36		May
June	30.06	30.34	29.76	.58	68.6	92	43	49	82.1	1	1		5	4	12		4	3	8.8	15	4		9	"	1.85		June
July	30.04	30.37	29.85	.52	74.2	93	50	43	91.2		3		6		13		3	6	8.0	10	4	2	13	"	3.09		July
August	30.15	30.41	29.85	.56	73.9	87	49	38	90.5	1	2		7	3	11		1	6	7.2	10	6	4	9	"	1.89		August
September	30.13	30.62	29.69	.93	67.5	86	37	49	89.9		7		2		11		3	7	8.5	13	3	1	11	"	2.38		September
October	30.18	30.77	29.59	1.18	56.8	75	29	46	89.4	1			5		11		9	5	9.8	21	2		5	"	2.08		October
November	30.00	30.45	29.30	1.15	39.9	62	10	52	81.0	4	3				4	3	13	3	12.0	12	4		10	"	1.83	1.0	November
December	30.12	30.58	29.45	1.13	34.2	58	3	55	83.2	3	1		3	2	7	2	8	5	12.4	12		1	14	"	10.19	8.0	December
Means for year	30.04				51.1				82.6										11.7								Means for year
Totals for year										20	44	2	48	11	96	8	81	55		149	45	9	132	30	49.33	21.25	Totals for year
Extremes		30.81	29.08	1.73		93	5	98																			Extremes

SHOWING RAINFALL AT NEW BEDFORD, AS REGISTERED BY T. R. RODMAN FOR 1901.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1					.15				.35			
2			.10				.12					
3					.54	.10	1.00			.01		
4			.32	1.36		.06		.42				1.72
5		.70	.20	.17			.15					
6							.09			.14		
7				1.52				.80				
8				.17		1.36	.02					
9				.05								
10			.33	.07	.60							1.00
11	.35		1.52	.07	.74							
12	1.13						.09	.17	.30		.24	
13					.46			.04	.10			
14			.07							.64		.32
15	.09					.01				1.16	.02	2.00
16				1.96								
17		.01	.05				.32		.33	.17		
18	.35	.05					.03	.23				.30
19	.05						.57		.90		.01	
20					2.80			.35	.33		.15	
21				.10								
22	.07		1.00	.25		.26						
23							.01					
24	.32	.50										.60
25			.54	.82	.80		.40	.23			1.16	
26			2.68	.39			.05				.10	
27			1.04									1.04
28	.05				2.48							
29							.12		.90		.01	2.28
30				.15			.25		.10			.79
31	.25											
Totals	2.66	1.26	7.85	7.08	8.57	1.79	3.22	2.24	3.31	2.12	1.69	10.05

Total fall for the year 51.84.

MONTHLY SUMMARY OF TIDES FOR THE YEAR 1902.

	Average rise of tides below mean high water.	Average fall of tides below mean high water.	Highest high tide above mean high water.	Lowest high tide below mean high water.	Highest low tide below mean high water.	Lowest low tide below mean high water.
January	1.106	4.774	0.3	2.8	3.3	6.2
February	1.189	4.937	0.4	2.6	3.5	6.2
March	.994	4.669	0.6	2.5	3.2	6.0
April	.321	4.029	1.2	1.6	2.4	5.3
May	.386	4.006	1.4	1.4	3.4	4.8
June	.382	4.07	1.4	1.2	3.2	5.1
July	.234	4.07	.50	1.1	3.1	5.0
August	.256	4.11	.90	1.4	2.9	5.0
September	.298	4.246	1.00	1.9	3.1	5.2
October	.405	4.284	0.80	2.9	3.2	5.7
November	.425	4.138	1.20	1.8	3.1	5.8
December	.58	4.582	1.40	1.7	3.6	6.1
For the year	.544	4.326	1.40	2.9	2.4	6.2

Average rise of tides for 1901, 3.782 ft.

Average rise of tides for 1896, 1897, 1898, 1899, 1900 and 1901, 3.672 ft.

Average rise of tides below mean high water for 1896, 1897, 1898, 1899, 1900 and 1901, 0.684 ft.

Average fall of tides below mean high water for 1896, 1897, 1898, 1899, 1900 and 1901, 4.356 ft.

Mean high water refers to City Datum=0.

STREETS LAID OUT AND ACCEPTED.

STREET.	FROM	TO	DATE OF ACCEPTANCE.	WIDTH AND LENGTH IN FEET.			
				30	40	50	70
Adams	546.68 ft. west of County	Mt. Pleasant	Mar. 26, 1901			1053.38	
Bay	Dartmouth	Cottage	Sept. 10, 1901		293.70		
Chancery	Kempton	Sycamore	Jan. 2, 1901	668.46	598.44		
Chancery	Tilton	Robeson	June 4, 1901		449.27		
*Cedar Grove	E. Line O. C. R. R.	Purchase	Mar. 29, 1901		68.57		
*Coggeshall	Bowditch	Purchase	Mar. 29, 1901		629.80		
Collette	Bowditch	Church	June 18, 1901			1028.01	
*Cornell Place	E. Line O. C. R. R.	Purchase	Mar. 29, 1901	66.00			
*Davis	Church	W. Line O. C. R. R.	Mar. 29, 1901			381.96	
Devoll	Grape	Allen	June 18, 1901		352.10		
Earle	Front	Acushnet Ave.	May 21, 1901			450.55	
Hickory	Harrison	Clay	Nov. 19, 1901		201.38		
Jean	Coggeshall	Sawyer	Sept. 24, 1901		469.44		
Liberty	Kempton	Smith	Sept. 10, 1901		1541.43		
Lombard	Thompson	Rockland	Sept. 10, 1901			471.19	
Mulberry	Larch	Fruit	Sept. 24, 1901		360.13		
Myrtle	Penniman	Peckham	Sept. 10, 1901			535.50	
N. B. & F. Bridge	Front	Water	Mar. 15, 1901				236.91
Penniman	County	Reynolds	Oct. 22, 1901		70.00	313.72	
Phillips Ave.	Riverside Ave.	Belleville Ave.	July 16, 1901			845.75	
Phillips Ave.	Belleville Ave.	Church	June 18, 1901			2713.78	
Rounds	Court	Elm	Sept. 10, 1901		441.10		
Summit	Kempton	Mill	Sept. 10, 1901		155.32		
Total, 14,395.89 feet, or 2.727 miles.				734.46	5630.68	7793.84	236.91

*Accepted across Railroad location.

STREET WIDENINGS LAID OUT AND ACCEPTED.

STREET.	FROM	TO	DATE OF WIDENING.	SIDE.	WIDENED.	LENGTH.
Acushnet Ave.	Howard Ave.	Main st.	June 11, 1901	East	14 feet	2,076.33
Weld	W. Line of Weld	Purchase	March 29, 1901	North	30 feet	372.00

Total, 2,448.33 feet, or 0.464 miles.

STREET LAYOUTS, ETC., FOR THE BOARD OF PUBLIC WORKS.

STREET.	FROM	TO	FOR	FIELD WORK.		OFFICE WORK.		ACTION BY BOARD OF PUBLIC WORKS
				SURVEY LENGTH.	LEVELS LENGTH.			
Acushnet ave.	Howard ave.	Main	Widening	2076.33	2076.33	Plan of street 64 ft. wide	Profile	Widened
Adams	564.34 ft. W. of County	Mt. Pleasant	Layout			Plan of street 50 ft. wide	Profile	Accepted
Bay	Dartmouth	Cottage	Layout			Plan of street 40 ft. wide	Profile	Accepted
Cedar Grove	E. line O. C. R. R.	Purchase	Layout	68.57		Plan of street 40 ft. wide	Profile	Accepted
Chancery	Kempton	Smith	Layout			Plan of street 30 & 40 ft. wide		Ac'd to Sycamore
Chancery	Tilton	Robeson	Layout	449.27		Plan of street 40 ft. wide	Profile	Accepted
Coffin ave. court	Coffin ave.	North and west	Layout	279.72	279.72	Plan of street 25 ft. wide	Profile	Hearing
Coggeshall	Bowditch	Purchase	Layout	629.80	629.80	Plan of street 40 ft. wide	Profile	Accepted
Collette	Bowditch	Church	Layout	1028.01	350.00	Plan of street 50 ft. wide	Profile	Accepted
Cornell place	E. line O. C. R. R.	Purchase	Layout	66.00	66.00	Plan of street 30 ft. wide	Profile	Accepted
Davis	Church	W. line O. C. R. R.	Layout	381.96	321.00	Plan of street 50 ft. wide	Profile	Accepted
Devoll	Grape	Allen	Layout	352.10	352.10	Plan of street 40 ft. wide	Profile	Accepted
Earle	Front	Acushnet ave.	Layout	450.55		Plan of street 50 ft. wide	Profile	Accepted
Earle	Acushnet ave.	Bowditch	Layout	442.32	442.32	Plan of street 50 ft. wide	Profile	Hearing
Elm	Reed	Francis	Layout	237.82	237.82	Plan of street 40 ft. wide	Profile	Hearing
Hathaway road	Mt. Pleasant	West	Layout	300.00	300.00	Plan of street	Profile	Hearing
Hickory	Harrison	Clay	Layout	201.38	201.38	Plan of street 40 ft. wide	Profile	Accepted
Jean	Coggeshall	Sawyer	Layout	469.44	469.44	Plan of street 40 ft. wide	Profile	Accepted
Liberty	Kempton	Smith	Layout	1541.43	1137.00	Plan of street 40 ft. wide	Profile	Accepted
Lombard	Thompson	Rockland	Layout	471.19	471.19	Plan of street 50 ft. wide	Profile	Accepted
Mulberry	Larch	Fruit	Layout			Plan of street 40 ft. wide	Profile	Accepted
Myrtle	Penniman	Peckham	Layout	535.50	535.50	Plan of street 50 ft. wide	Profile	Accepted
Oneko lane	Coffin ave.	Phillips ave.	Layout	228.57	228.57	Plan of street 20 ft. wide	Profile	Hearing
Penniman	County	Reynolds	Layout	383.72	383.72	Plan of street 40 & 50 ft. wide	Profile	Accepted
Phillips ave.	Riverside ave.	Belleville ave.	Layout	845.75		Plan of street 50 ft. wide	Profile	Accepted
Phillips ave.	Belleville ave.	Church	Layout	2713.78	1480.00	Plan of street 50 ft. wide	Profile	Accepted
Reynolds	Peckham	Sawyer	Layout			Plan of street 50 ft. wide	Profile	Hearing
Rounds	Court	Elm	Layout	441.10	441.10	Plan of street 40 ft. wide	Profile	Accepted
Tinkham	Front	Acushnet ave.	Layout		404.00			
Trinity	Bullock	Shawmut ave.	Layout	410.25	410.25	Plan of street 40 ft. wide	Profile	Hearing
Weld	W. line Weld	Purchase	Widening	372.00		Plan of street 80 ft. wide	Profile	Widened
				15376.56	11217.24			

LEVELS TAKEN.

STREET	FROM	TO	LENGTH	OBJECT	FOR
Acushnet ave.	Peckham road	South	2500	To determine settlement of track	Engr. dept.
Bowditch	Cedar Grove	Nash road	4407	To establish grade of gutters	Board of P. W.
Bowditch	Nash road	Brooklawn Park	2432	To establish grade	Board of P. W.
Bowditch	Brooklawn Park	Tarkiln Hill road	1743	To establish grade	Board of P. W.
Coffin ave.	Acushnet ave.	Bowditch	400	To determine grade	Board of P. W.
Coffin ave.	Bowditch	Purchase	450	To establish grade	Board of P. W.
Durfee	Rockdale ave.	east	839	To establish grade	Board of P. W.
Fifth	Russell	Madison	607	To establish grade of macadam	Board of P. W.
Front	Middle	School	1425	To establish grade for paving	Board of P. W.
Front	Hathaway	Eugenia	954	To establish grade of track and street	Board of P. W.
Hillman	Water	east	43	To establish grade for paving	Board of P. W.
Jean	Sawyer	south	261	To determine drainage	Private parties
Jenny Lind	Kempton	south	814	To establish grade	Engr. dept.
Orchard	Union	Court	234		
Palmer	Elm	south	50	To determine amount of fill	W. W. dept.
Purchase	William	Elm	197	To establish grade for walks	Board of P. W.
Purchase (west side)	Weld	south	80	To determine drainage	Board of P. W.
Reynolds	Weld	Clark	446	To establish grade.	
River road	Main	south	1024	To establish grade for gutters	Board of P. W.
Rivet	Second	Acushnet ave.	150	To determine grade	Board of P. W.
Second	William	north	200	To establish grade for paving	Board of P. W.
Second	Middle	High	214	To determine grade	Engr. dept.
Shaw	Acushnet ave.	Bowditch	1637	To establish grade	Engr. dept.
Shepard's lane	Front	Water	238	To establish grade	
Street (contemplated)	Chepatchet	Buttonwood Park	718	To establish grade	Engr. dept.
Summer	Locust	Robeson	522	To establish grade of track	Engr. dept.
Trinity	Cedar	Wilson	390	To determine amount of fill	W. W. dept.
Water	William	Middle	550	To establish grade for track	Engr. dept.
William	Water	Bethel	133	To establish grade for track	Engr. dept.
Willow	Cottage	Shawmut ave.	1197	To determine amount of grading	Board of P. W.
			24855		

STREETS NUMBERED.

STREET	FROM	TO	INTERVAL IN FEET	NOS. GIVEN.
Bay	Dartmouth	Columbia	25	25
Belleville road	Belleville ave.	Acushnet ave.	30	11
Brownell	Arnold	Court	25	13
Church	Coffin ave.	north	25	6
Deane	Acushnet river	Purchase	25	12
Elm	Chancery	west	20	18
Fair	County	Crapo	22	3
Fair	Crapo	Dartmouth	25	9
Front	Gifford	Rivet	20	16
Front	Coffin ave.	Belleville road	25	4
Hollyhock	Dartmouth	west	25	6
Hunter	Kempton	Hillman	25	11
Jean	Coggeshall	Sawyer	—	5
Jenny Lind	Kempton	north	25	9
Juniper	Larch	Fruit	20	7
Kenyon	Belleville ave.	Acushnet ave.	20	8
Middle	Ash	Rounds	20	2
Mill road (west side)	Main	Acushnet ave.	30	8
River road	Howard ave.	Main	25	24
Rockdale ave.	Kempton	Hathaway rd.	25	26
Rural	Grape	Allen	25	5
Social	McGurk	W. French av.	20	8
Thompson	Crapo	Dartmouth	25	7
Welcome	McGurk	W. French av.	20	6

Single numbers given on streets previously numbered—61.

PUBLIC WORKS DEPARTMENT.

Grades for setting curbing	37
Lines for setting curbing	37
Grades for gutters	43
Lines for gutters	43
Grades for paving	13
Grades for grading street	26
Lines for grading street	3
Grades for retaining wall	8
Lines for retaining wall	5
Grades for fence	1
Lines for fence	1
Grade for walks	3
Lines for walk	1
Grade for culvert	1
Grades for catch basins	12
Lines for catch basins	2
Plans and profile for sewer construction	6

Grades for laying new sewers, etc.

Trips to sewers to measure branches, ledge, etc.

Branches located for connecting drains	21
Levels or grades for drain	23

Grades for blind drains Allen street, Rural street, to Rockdale ave.

Location and record of drains laid during year

Measurement of all work done by the department

Measurement of stock at City Yard

Measurement of curbing on wharf

Measurement of crossings and marking cross-walk stone for cutting four walks Purchase and William streets, four walks William and Second streets

Detail plan of crusher machinery

Measurement of five cargoes of curbing

Assessment plans for sewers laid in 1901

Sewer plans entered in sewer book

Soundings and working plans for construction of Sawyer street sewer

Plan of proposed sewer in Cedar street, Sycamore street, to Smith st.

Correction of sewer and street maps

Plan for curbing William and Purchase streets

Plan of Second street, Blackmer st. to Rivet st., showing grass plat

Map of roads for State Highway Commission

Levels, plans and grades for damages on private property, caused by the widening of Acushnet avenue

Correcting two maps showing street surface

Plan showing new and rebuilt macadam since 1892
Levels Austin street, southwest corner of Bullock steeet to check height of curb
Location of street railway curve northwest corner of Bedford and Fourth streets

PARK COMMISSION.

Survey and plan for fence around pond at Brooklawn
Location and levels, store-house, Buttonwood
Survey, levels, grade and plan of plot and drives around exhibition house, Buttonwood
Plan for addition to Buttonwood
Plan showing abutters around Buttonwood

BOARD OF ASSESSORS.

Correcting and posting plats for the year
Making new tracings of 27 plats
Survey of lots:—
Acushnet ave., w. side south of Campbell st.
Acushnet ave., n. e. corner Duncan st.
Chestnut st. w. side, Campbell st. to Smith st.
Plainville road
Survey and plan of division of Hawes farm
Map of city showing accepted streets
Map of city showing sewers

BOARD OF HEALTH.

Tracing and blue print showing arrangement of traps in manhole at new school-houses

WATER BOARD.

Grades for laying pipe	23
Levels for determining condition of streets	2
Levels on hydrant to determine pressure	
Preparing list of hydrants showing pressure	
Map of city	
Sixty plots of city	
Survey and plan of conduit south of Tallman street	

Levels to determine elevation of pressure gauge Water Works office
Conduit staked at Hathaway street
Conduit staked south of Davis street.

COMMITTEE ON CITY PROPERTY.

Title, survey and plan of Madison Street School lot.

COMMITTEE ON WHARVES.

Soundings, measurements, grades and plan for repairs Rotch wharf

INSPECTOR OF BUILDINGS.

Grades given for 164 buildings, steps, fences, etc.
Street line given for 124 buildings, steps, fences, etc.
Line and grades for lot, curbing, steps, walls, etc., Shawmut avenue school
Lines and grades for lot, curbing, steps, walls, etc., Coggeshall street school
Line and grade for curbing Madison street school
Levels and staking out addition, Almshouse
Plan of proposed grading Shawmut avenue school lot
Plan of curbing, steps, etc., for Shawmut avenue school lot
Plan of proposed grading Shawmut avenue school lot

CEMETERY BOARD.

Record of burials kept for the year:

RURAL CEMETERY.

Preliminary and final staking Section D, Plot 4
Grades Section D, Plot 4
Preliminary staking Section H, Plot 2
Grades Section H, Plot 2
Re-staking six lots Section 0
Survey of lot n. w. corner Grape and Rural streets
Title northwest section
Plan Section A-5, Plots 4 and 5
Plan for division of lots Section L

OAK GROVE CEMETERY.

Subdivision of four lots Section JJ
Cross-sections Section 3
Grades for border Section 2
Profiles of Section 2 and 3 to establish grade
Plan section 2
Title to right-of-way

CITY SOLICITOR.

Plan First street sewer south of Division street
Plan of Kempton street widening
Location of obstructions in Kempton street west of Jenny Lind street

CITY TREASURER.

Land titles for sewer assessments

WORK DONE FOR UNION STREET RAILWAY.

Plan for location of tracks in Ark lane
Plan for location of tracks Acushnet avenue, Howard avenue to Main street
Plan showing location of switch Acushnet avenue, south of Main st.
Profile of Summer street, Parker street to Robeson street, to establish grade for tracks
Profile of Water street, Middle street to William street, to establish grade for tracks
Profile of William street, Water street to Second street, to establish grade for tracks
Profile of Ark lane to establish grade for tracks
Line and grade for tracks Summer street, Mill street to North street
Line and grade for tracks Acushnet avenue, Howard avenue to Main street
Line and grade for tracks Summer street, Parker street to Robeson street
Line and grade for tracks Water street, William street to Middle st.
Line and grade for tracks William street, Water street to Second st.
Line and grade for tracks corner William and Purchase streets

WORK DONE FOR CITY COUNCIL, SPECIAL COMMITTEES, ETC.

Plans, estimates and report on removal of sewage from Clark's Cove
Plan showing location of electric lights
Plan showing electric conduits
Tracing of pumping station and investigation of municipal lighting plant
Plan showing park system
Plan of Clark's Point
Plan of proposed park at Clark's point
Location of buildings and plan of land east of Grove Park
Plan showing ward lines
Plan showing block, Middle street to Ark lane, Second street to Water street
Tracing of various lots from plots showing available Armory sites
Plan of city showing accepted streets, for City Council Chamber
Plan of city showing sewers, for City Council Chamber
Measurement for proposed changes at High school

MISCELLANEOUS.

Street grades and angles for architect, Allen and Bonney streets
Street grades and angles for architect, Ashland and Robeson streets
Street grades and angles for architect, s. w. corner Cedar and Kempton streets
Street grades and angles for architect, Kempton and Hunter streets
Levels for architect at Almshouse
Index of street grades
Determination of maximum grades on Pleasant street and Acushnet avenue
Plan of soundings, Merrimac street sewer
Correcting office map of sewers
Correcting boundstone map
Indexing note books
Survey and levels for architect, First street s. e. corner Union street

SURVEYS.

Survey of Chancery street, Court street to Kempton street to reproduce old layout
Survey of lot, Penniman and Myrtle streets

Location of west line of old City Stable lot, s. w. corner Pleasant and High streets
Location of trees Acushnet avenue widening
Location of pipes in sewer at Water and Coffin streets
Location of obstruction caused by telephone company in drain Second street north of Walnut street
Soundings for sewer Liberty street, Maxfield street to Hillman street
Soundings at Sawyer street for extension of sewer
Soundings at Merrimac street for extension of sewer

LEVELS.

Levels Tremont street, north of Arnold street, to check grade
Levels Summer street, near Locust street, to check track
Levels Rockdale ave., Stephen street west, on lot curb to check grade
Levels County and Sixth streets around fountain
Levels Water street, Cannon street to Coffin street, to determine height of flood, May 27th
Levels Water street, corner William street, to check track
Levels Bowditch street, Bullard street to Deane street, on steps to check grade
Levels Crapo street, Rivet street to Thompson street, on steps
Levels Front street, at School street, to determine method of draining square

PLANS.

Plan of intersection of Mill and Kempton streets to fix grades
Plan showing harbor line
Plan showing obstructions in sewer at Water and Coffin streets
Plan, profile and cross-sections of Fifth street, Russell street to Madison street, to establish grade for macadam
Profile of Durfee street, east of Rockdale avenue, to fix grade
Profile for extension of Grape street sewer
Profile of Shepard's lane to fix grade
Profile of Bowditch street, Cedar Grove street to Tarkiln Hill road, to establish grade
Profile of Willow street, Cottage street to Shawmut avenue, to determine amount of fill
Profile of Trinity street, Cedar street to Wilson street, to determine amount of fill
Profile of drain for Catholic High school

DETAILS OF SEWERS CONSTRUCTED IN 1901.

STREET.	LOCATION.	Size and Material.					Total length.	Greatest cut.	Average cut.	Greatest cut in ledge.	Average cut in ledge.	Cubic yards ledge.	Cubic yards earth.	Total cubic yards excavation.	Number of manholes.	Rate of Grade in Feet per 100.	Cost of labor.	Cost of labor per foot of length.	Cost of material, teaming, sharpening drills, etc.	Total cost of sewer.	Cost per foot of length.	Assessed.	Ordered.	Commenced.	Finished.	REMARKS.
		Vitrified Pipe.				Brick.																				
		8 inch.	10 inch.	12 inch.	24 inch.	72 inch.																				
BY SPECIAL APPROPRIATION.																										
Adams st.	553 ft. west of County to Mt. Pleasant.		1057.5				1057.5	10.80	8.59	4.0	2.28	28	1138	1166	1	5.83; 6.80; 4.81 6.11; 4.91; 6.57	1114.52	1.06	445.23	1559.75	1.48	½ Assessed.	May 7.	June 5.	June 24.	
Allen st.	Brownell to Rural.		596.4				596.4	8.98	8.71				673	673	1	0.89	465.77	.78	223.48	689.25	1.16	⅓ Assessed.	July 16.	August 1.	August 9.	
Bowditch and Deane sts.																			250.00	250.00		⅓ Assessed.				Remainder of cost.
Cottrell st.	Belleville ave. east to River.				1291.1		1309.1	8.57	6.73				1308	1308		0.50	1626.72	1.24	1521.47	3148.19	2.41		Nov. 27, 1900.	January 2.	March 16.	Includes 18 ft. of stone culvert.
David st.	Clark's Cove to Brock ave.		575.3	490.7			1066.0	12.49	6.42				866	866	2	0.75; 4.68	1022.47	.96	474.16	1496.63	1.41	⅓ Assessed.	May 7.	June 24.	July 6.	
Deane st.	126.5 ft. to 227.6 ft. west of Bowditch.		101.1				101.1	8.61	8.51				96	96		0.50	107.05	1.06	35.55	142.60	1.41	⅓ Assessed.		April 1.	April 3.	
Jenny Lind st.	Kempton to Hillman.		486.0				486.0	11.44	9.42				593	593	1	0.40	346.45	.71	172.86	519.31	1.07	⅓ Assessed.	May 28.	July 8.	July 17.	
Lombard st.	Thompson to angle 68.2 ft. so. of Spooner.		264.9				264.9	9.58	8.36				287	287	1	0.50	202.67	.77	96.72	299.39	1.13	⅓ Assessed.	September 10.	October 3.	October 7.	
Merrimac st.	Cottage st. east 119.6 ft.		149.6				149.6	8.42	8.37				163	163	1	1.00	127.80	.85	86.84	214.64	1.43	⅓ Assessed.	May 7.	June 3.	June 5.	
Mill and Kempton sts.																	1.13		9.78	10.91		⅓ Assessed.				Remainder of cost.
Palmer st.	Court st. north to angle.		395.0				395.0	8.67	7.67				393	393	1	1.00	213.66	.54	134.49	348.15	.88	⅓ Assessed.	August 6.	August 9.	August 14.	
Penniman st.	County to 40 ft. east of Myrtle.		653.6				653.6	10.74	8.87	3.8	2.00	40	712	752	1	4.49; 5.62; 8.50;	883.71	1.35	283.73	1167.44	1.79	⅓ Assessed.	September 10.	October 25.	November 13.	
Sawyer st.	Extended east 202.5 ft.					202.5	202.5									0.25	2989.39	14.76	4679.23	7668.62	37.87		May 21.	July 18.	October 27.	Two side sewers—405 ft. 12 in. pipe.
Summer st. No. 4.	Pope st. north 166.3 ft.		189.3				189.3	9.0	8.04				169	169	1	0.50	223.34	1.18	78.22	301.56	1.59	⅓ Assessed.	April 23.	May 24.	May 29.	
Summer st. No. 5.	Locust st. north 218 5 ft.		243.5				243.5	9.17	8.56				271	271	1	1.55; 2.63	288.52	1.18	100.12	388.64	1.60	⅓ Assessed.	April 23.	May 24.	June 1.	
			4712.2	490.7	1291.1	202.5	6714.5					68	6669	6737	11		9613.20		8591.88	18205.08						
BY GENERAL SEWER APPROPRIATION.																										
Jean st.	Sawyer st. south 400 ft.	187.	237.				424.0	11.03	4.19				174	174		1.00; 0.50	61.58	2.57	9.11	70.69	2.95			July 23.		24 feet laid by city.
Pearl st.	Washington ave. to State.		158.4				158.4	6.74	5.95				104	104		6.50	150.44	.95	55.30	205.74	1.30			July 20.		
Second st.	Walnut st. north to Brook.		189.				189.	6.18	5.87	5.66	3.76	34	110	144		0.50	310.02	1.64	90.21	400.23	2.12			May 16.		
	Totals.	187.	5296.6	490.7	1291.1	202.5	7485.9					102	7057	7159	11		10135.24		8746.50	18881.74						

Profile of Front street, Middle street to School street, to establish grade for paving
Profile of Shaw street, Acushnet avenue to Bowditch street, to establish grade
Profile of Coffin avenue, Bowditch street to Purchase street, to establish grade
Profile of Jenny Lind street, Kempton street south, to establish grade

BOUND STONES SET.

Acushnet avenue, e. side, first angle north of Howard avenue. (Moved from old to new line.)
Acushnet avenue, e. side, second angle north of Howard avenue. (Moved from old to new line.)
Acushnet avenue, e. side, third angle north of Howard avenue. (Moved from old to new line.)
Acushnet avenue, e. side, fourth angle north of Howard avenue. (new.)
Court street, n. e. corner Tremont street. (Raised.)
Elm street, s. e. corner Water street. (Raised.)
Elm street, s. w. cor. Water street. (Raised.)
Elm street, s. e. corner Purchase street. (Raised.)
Kempton street, s. e. corner Francis street. (Moved from old to new line.)
Merrimac street, n. e. corner Cottage street. (Re-set.)
Nash road, s. w. corner Acushnet avenue. (Moved from old to new line.)
Nye street, n. w. corner Bowditch street.
Sawyer street, s. w. corner Acushnet avenue. (Lowered.)

IN BOARD OF ALDERMEN,
Feb. 13, 1902.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,
Feb. 13, 1902.

Concurred.

W. H. B. REMINGTON, Clerk.

REPORT

OF THE

CITY ENGINEER

TO THE

SPECIAL COMMITTEE OF THE CITY COUNCIL

ON THE

RELIEF OF NUISANCE CREATED BY SEWERS ENTERING CLARK'S COVE.

1902

THE A. E. COFFIN PRESS, CITY PRINTERS.
1902.

NEW BEDFORD, MASS., Nov. 9th, 1901.

Special Committee of City Council "On Relief of Nuisance Created by Sewers Entering Clark's Cove." Alderman George H. Hedge, Chairman:

GENTLEMEN: Pursuant to your request, I beg to submit herewith the results of my investigation of the probable cost of discharging into the Acushnet River the sewage now emptying into Clark's Cove.

I have not thought it necessary to go into a detailed description of the general situation, as it is very fully covered in my report of April 24th, 1900, to the Board of Public Works, upon "An Intercepting Sewer System for the Relief of Clark's Cove and Acushnet River."

Briefly stated, the Clark's Cove nuisance is due to the fact that there are at present six sewers discharging into the head of the Cove about 2,000,000 gallons daily of actual sewage. The sewers are on the combined system, with a total maximum capacity for sewage and rain water of about 400 cubic feet per second, or 10,800,000 gallons per hour. They drain an area of about 1,500 acres, with a population of at least 20,000 people.

It has often been suggested that these sewers be extended further into the Cove, but I am not prepared to recommend it, although I think it would afford some relief—for a very indefinite period of time. I therefore advise that before this method is adopted a careful and thorough investigation be made of such plans of relief as will give reasonable promise of permanence.

Any plan for the removal of the Clark's Cove sewage to the Acushnet River, in which the question of cost is given proper consideration, will require that some portion

of the drainage, in particular surface water, be allowed to empty into the Cove. This, however, does not prevent the removal of practically all of the actual sewage during the greater part of the time. In the estimates which I shall submit I have assumed the disposal of various volumes of flow, the lowest being at least four times the present actual sewage flow. This excess of capacity may be assumed as allowing for growth in population and for some rain water. With a heavy rain fall the dilution of the sewage is so great that it is doubtful if it will collect upon the shore in sufficient quantity to produce any disagreeable effects. This has been the general conclusion reached by engineers in Boston and Providence in their determination of the capacity of the intercepting sewers built in those two cities.

I have estimated the cost of three general plans or methods for transferring the Clark's Cove sewage to the Acushnet River. The location of the outlet is assumed in each plan to be at a point in the river about 1,600 feet due east from the shore at the end of Cove street. This will be in water about 10 feet deep at low tide and within one quarter of a mile of the main ship channel. It is also near the juncture of the water which flows through the channel west of Palmer's Island with the water of the main channel passing east of Palmer's Island. This will have a tendency to carry the discharge of sewage away from the shore during the outgoing tide. The volume of tidal flow passing this point is about 200,000,000 cubic feet during each tide. The discharge of so large a volume of sewage, even at this distance from the shore, may cause the abandonment of the bathing beach to the south, not because the beach itself will become contaminated, but water for bathing purposes would be made offensive by conditions which would not be noticeable on the shore.

While the location of the outlet is of course the first point to be decided in the consideration of any plan for

the removal of the sewage of the Cove to the river, I wish to impress upon you that it is the most important question of the whole problem under consideration, and I assume this location only because it is absolutly essential in the preparation of estimates to fix upon some point of discharge. I am still of the opinion that an outlet for a long period of time will not be found north of the end of Clark's Point, but it may be possible to maintain an outlet off Cove street, as already suggested, for a sufficient length of time to justify its cost in the saving of interest upon the cost of the construction required in East French avenue to convey the sewage to the end of the Point. No plan, however, should be adopted until the location of the outlet has been determined by a most thorough investigation. It is not a very difficult matter, but it requires time; in fact, I may say that the value of the data acquired is, within reasonable limits, directly proportional to the length of time covered. An investigation of the tidal currents, to give fairly accurate information, should cover a period of at least three months, and would probably cost about $1,200. With this statement as to the location of the point of discharge into the river, I will pass to a description of the three plans and their cost.

First Plan. By a high level intercepting sewer connecting with the present sewers at points which will permit of a gravity flow to the outlet. The location starts at the shore end of the outlet in Cove street, thence through Cove street to Second street, thence in Second street to Potomska street, thence west through Potomska, Fourth and Thompson streets to Crapo street, where connection will be made with the Crapo street sewer; one branch then extends north through Crapo street and Rockland street to connections with the Bonney street sewer and Rockland street sewer; another branch runs west to a connection with the Rivet street sewer at

Bolton road. See Sheet A for confirmation of this location and for sizes of this sewer, which, I will add, is the same as that adopted in my report already referred to for a general intercepting sewer system. With the exception of the outlet in the river, I have used the same dimensions and grades because I believe it should be capable of being extended to take in more of the city when required. This will make the cost of the present plan greater than it would be if the location and dimensions were designed for the Clark's Cove sewage only. Under this plan the sewage of the territory south of the location of the intercepting sewer will still discharge into the Cove, and also all rain water in excess of about 1,000,000 per hour, although pending extension of the system to the north the capacity for rain water will be about 2½ million gallons per hour.

ESTIMATE OF COST.

1,600 feet iron pipe outlet into river	$30,000.00
2,130 feet brick and concrete sewer in Cove street	28,824.00
2,260 feet brick and concrete sewer in Second street	41,301.00
2,090 feet brick sewer in Potomska, Fourth, Thompson and Crapo streets	15,492.00
540 feet pipe sewer in Rockland street	3,290.00
1,471 feet pipe sewer in Thompson, Briggs and Rivet streets	4,247.00
Total	$123,154.00

To make this plan complete we should dispose of the sewage of the territory south of the intercepting sewer by some form of pumping. This might be very well done by the Shone system of pneumatic ejectors in four stations at which the sewage would be collected and automatically pumped into the intercepting sewer.

The probable cost of this addition will be as follows:

200 gallon ejector station at foot of Crapo street	$4,000.00
200 gallon ejector station at foot of County street	4,000.00

200 gallon ejector station at West French avenue and Grit street	4,000.00
400 gallon ejector station at Water and Blackmer streets	6,000.00
Air compressors, engines and boilers	10,000.00
Engine, boiler and air compressor building	4,000.00
Discharge and air piping	8,000.00
Total	$40,000.00

This makes the estimated cost of disposal of sewage for all of the Clark's Cove territory, with the exception of the Orchard street sewer, but including the present territory drained by the Blackmer street and Cove street sewer systems, $163,154.00.

SECOND PLAN. Forcing the sewage into the Acushnet River by the Shone pneumatic ejector system. This plan contemplates the use of six ejector stations located as follows:

One at foot of Bonney street, with two 900 gallon per minute ejectors taking the sewage from the Bonney street sewer.

One at foot of Crapo street, with two 1800 gallon per minute ejectors taking the sewage from the Crapo street sewer.

One at foot of County street, with two 100 gallon per minute ejectors taking the sewage from the County street sewer.

One at East French avenue and Grit street, with two 100 gallon ejectors taking the sewage from the Grit street sewer and from the contiguous territory to the east.

One at Water street and Blackmer street, with two 200 gallon ejectors taking the sewage from the Blackmer street sewer.

One at Cove street and East French avenue, with two 200 gallon ejectors taking the sewage from the Cove street sewer.

The sewage will be delivered by these ejectors through a common discharge main of cast-iron pipe to

the outlet, discharging into the river at a point 1,600 feet east from the shore at Cove street, as in the first plan. The sewage flows into the ejectors by gravity and is forced out by compressed air, the operation in the ejectors being entirely automatic and requiring no attendance and only casual inspection. The construction of the ejectors is simple, the wearing parts being few and easily renewed. The compressed air requires a generating plant, with air compressors, engines, boilers, etc., and daily attendance. In operation the system is very elastic, working with equal efficiency whether the flow of sewage is slow or up to the capacity of the ejectors. The maximum capacity of the six ejector stations is fixed at 6,000 gallons per minute. This is over three times the present actual sewage volume or dry weather flow of the sewers with which the ejectors are to be connected. Whenever the maximum capacity of the ejectors is reached, the excess of sewage will discharge at the existing outlets as at present. Tide gates will have to be built at the outlets of these sewers to prevent tide water from flooding the ejectors. These gates will be so arranged that they will open automatically whenever the flow in the sewers is in excess of the capacity of the ejectors. The fact that it is necessary to place the ejectors entirely below the invert of the sewer requires the construction of water-tight chambers, which makes this part of the construction somewhat expensive and uncertain. To determine the length of air piping for purpose of the estimate, I have assumed the location of the compressor station at the northeast corner of County street and Cove street, as this is about central for most of the ejector stations. The location of the ejector stations, as already described, is shown on Sheet B, and the air system of piping on Sheet C herewith. It will be noted that in order that this plan may compare with the first plan, I have taken in the Cove street and Blackmer street sewer systems, which do not discharge into Clark's Cove.

ESTIMATE OF COST.

Outlet 1,600 feet into river	$20,000.00
6 ejector stations	18,000.00
12 ejectors	22,000.00
Air compressor, boilers, etc.	25,000.00
Air compressor and boiler building	6,000.00
Piping for discharge of sewage and air supply	25,500.00
Tide gates at present sewer outlet	3,500.00
Total	$120,000.00

This estimate of cost is based largely upon the estimate furnished by H. P. Thompson, engineer and general manager of the Shone Co., copy of which I attach for additional details.

Estimates of the cost of maintenance have not been furnished to me; but I assume that it would be somewhat similar to the cost of pumping a similar amount by the low lift, direct pumping systems, in use in Boston, which would be exclusive of interest on cost about $4,000 per year.

THIRD PLAN. A direct pumping system requiring the collection of the sewage at one point, from which it would be discharged into the river by centrifugal pumps. The outlet to be the same as already fixed by the two preceding plans, viz., at a point in the river 1,600 feet from the shore at Cove street. I have assumed the maximum capacity of the pumps at 18,000 gallons per minute, which you will note is three times the capacity assumed for the Shone system, and will therefore allow of the disposal of a much larger quantity of rain water. For several reasons, however, the difference in cost is not proportional to the increase in capacity. For the purpose of this estimate I have assumed that the pumping station would be located at the end of Cove street, so as to take care of the sewage of the Cove street sewer system without any reconstruction of this system, and also reduce the length of force main from the station to the outlet into

the river. This plan requires the construction of a collecting sewer to convey the sewage from the various sewers of the Clark's Cove territory to the pump wells of the pumping station. Owing to the present depth of the main sewers this collecting sewer will have to be built at a considerable depth below tide water, making the cost heavy and uncertain to estimate. It may be found, therefore, that it will be more economical to build the station further away from the river, reconstruct the Cove street sewer and increase the length of the discharge main. The estimate of the probable cost of the pumps, engines and boilers necessary for the capacity assumed was furnished by Joseph Edwards & Co. of New York City, copy of which I attach. The plan contemplates the use of two 10-inch centrifugal pumps, each of 4,000 gallons per minute capacity, either one of which is sufficient for the ordinary dry weather flow; and one 15-inch centrifugal pump, with a capacity of 10,000 gallons per minute. Each pump to be connected with its own engine, so that they can be run separately or together as the conditions require. The estimate assumes that the pumping will be continuous, but if it is found best to discharge only during the out-going tide, and for a short time before high tide, making the pumping periods of seven hours duration, it can be accomplished by constructing a reservoir at the station or on the line of the collecting sewer, of sufficient capacity to at least provide for the dry weather flow of sewage during the non-pumping period of five hours.

ESTIMATE OF COST.

For a collecting sewer from Crapo street sewer to pumping station at Cove street and river	$65,000.00
Outlet 1,600 feet into river	30,000.00
Pump wells and foundations	10,000.00
Pumps, engines and boilers	16,000.00
Tide gates at present sewer outlets	3,500.00
Station building and chimney	7,500.00
Total	$132,000.00

For construction of sewer in Water street to Blackmer street sewer, to make plan compare with first and second, add to above estimate	10,000.00
Total	$142,000.00

The probable annual cost of maintaining this station will be about $6,000. This estimate is based upon the annual cost of maintenance of the Alewife Brook Pumping Station of the Metropolitan Sewage System of Boston, which is of about the same size and lift.

With the plans, already referred to, I include a general plan showing the sewers involved in the plans and estimates explained in this report.

I believe these three plans and estimates may be accepted as a fair basis for the probable cost of diverting the Clark's Cove sewage to the Acushnet River. You will recognize the fact that there are many uncertain and unknown factors in the problem as it stands today. They can only be intelligently determined by careful investigation and study, which will require the expenditure of money beyond any amount which I have been authorized to expend.

Respectfully submitted,

WILLIAM F. WILLIAMS,
City Engineer.

1902 — CITY DOCUMENT No 12.

REPORT

OF THE

Superintendent of Public Buildings

ALSO

INSPECTOR OF BUILDINGS

OF THE

CITY OF NEW BEDFORD, MASS.

For the Year 1901.

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, CITY PRINTERS.
1902.

REPORT

OF THE

Superintendent of Public Buildings.

OFFICE OF SUPERINTENDENT OF PUBLIC BUILDINGS,
NEW BEDFORD, MASS., Jan. 1, 1902.

To His Honor the Mayor and the City Council of the City of New Bedford:

GENTLEMEN: — I herewith submit my ninth annual report as Superintendent of Public Buildings, and also as Inspector of Buildings.

WOMAN'S HOSPITAL.

On the 26th day of September of the present year our City Council awarded a contract for a woman's hospital to be connected with City Almshouse, from plans made by S. C. Hunt, architect. This is to be a two-story plain brick building, 36 x 70 feet, with slated roof, containing two large wards, four separate wards, one operating room, one physician's room and bath room on first floor, and two large wards, three separate wards, two nurses' rooms and bath room on second floor. Work on this

building was suspended December 1, by order of the Superintendent of Public Buildings, with the approval of the Committee on City Property, to be resumed again in the spring of 1902.

The contracts for the erection and for heating and ventilating were made and work begun in November. Provision was made that the construction should not proceed in extreme cold weather. The building is to be heated by steam, an additional boiler being provided in the old boiler house for that purpose and to supplement the two boilers now used in the main buildings.

NEW SCHOOLS.

Three new school buildings, the Blackmer Street, Coggeshall Street and Shawmut Avenue Schools, were opened at the commencement of the fall school term in September. The erection of these buildings was commenced in the summer of 1900. A detailed account of same was given in my last report.

SYLVIA ANN HOWLAND SCHOOL.

During the summer vacation the old Fuller & Warren system of heating by furnaces and ventilating and dry closets was taken out of this school and a modern system of steam heating and ventilating installed, with flushing sanitaries connected with street sewer. The former system was put into this school when built in 1892, and had never done the work intended.

The dry closets, which never should have been allowed in one of our modern city schools with sewer connections in street, had become so offensive as to endanger the health of both teachers and pupils, its foul odors and coal gas from furnaces permeating the entire

building. This school is now up to the standard of our recently built schools as regards heating, ventilating and sanitary conditions. The report of the State Inspector of Public Buildings shows the same to be up to the requirements of the State law.

HARRINGTON TRAINING SCHOOL.

On Nov. 4th, during the morning session, fire was discovered in the upper section of the tower above the third story, where the electric motor which drives the exhaust fan is placed. The school was quietly dismissed without the least excitement or panic; much credit is due the principal and teachers, as well as the janitor, in this connection.

The fire was confined to the section of the tower in which it occurred, the bell deck and main vent shaft being nearly destroyed. The city fire alarm apparatus was much damaged; the damage to the building below was mainly by water in the tower section; the electric motor was damaged beyond repair.

The damaged portion of the tower has been repaired; a new bell deck covered with copper has been built; a new main vent shaft built and carried higher in the tower than the former one, to insure as good ventilation as can be had by gravity; the plastering in the tower section has been repaired, and other necessary repairs made.

Regarding the further use of the exhaust fan in the tower, operated by electric power, I would recommend that it be dispensed with because of the danger from fire. I am satisfied that good ventilation can be provided by gravity, by having the vent flues properly heated with steam coils. The supply fan in the basement is still driven by electric power.

Now that our increased water supply gives sufficient pressure to use water power, I would recommend that

water power be substituted in the basement. The cost of making the change would be no more than the City now pays for electric power in one year: besides, an element of danger from fire would be eliminated.

CLARK STREET SCHOOL.

This school was erected in 1895-96, and was opened in September of the latter year. I have in each of my annual reports urged the necessity of having the school yard graded and put in proper condition for use. I beg to quote a portion of my report for the year 1898 in this connection: "The school yard has never been graded; the earth filling was nearly completed when the school was opened, but the material is being rapidly washed away into the lower streets; the greater portion of the yard is dangerous for the children to play in, particularly so when the ground is frozen, because of the high banks on Penniman and Reynolds streets. The yard needs a retaining wall and fence built on about one-half the yard, with curbing and steps and walks at the approaches. Plans for this work were prepared by Mr. S. C. Hunt, architect, during the past year, and it was hoped then that the work would be done during the last summer vacation."

I regret to add that fully one-third of the earth filling has been washed away, and the condition of the yard becomes more dangerous as the years go by. The plans, etc., made in 1898, are still available, and I trust the work will be attended to this year.

BROCK AVENUE SCHOOL.

This school was completed in 1898, and occupied in September of that year. I beg to renew my former suggestions that the school yard be curbed and graded

and suitable walks be put in at the approaches. There is much complaint on the part of parents and others interested in the school at the muddy condition of the premises.

When this building was erected the plastered walls and ceilings were finished in what is known as a float finish fit for painting. It was deemed best to allow the walls to become thoroughly dry before being painted. I would recommend that the plastering be painted this year, and also that the wood and iron and tin work on the outside of the building be given one or two coats of lead and oil paint.

PARKER STREET SCHOOL.

In my reports for 1899 and 1900 I called attention to the necessity of some needed repairs being made in this building. From the records available, I learn that the older portion was erected in 1852, built of brick, two stories high, having pitched gable roof, and containing six class rooms, two of these being in the attic. In 1874 a large addition two stories high, built of brick, with mansard roof story, was added; this contains six class rooms, with an assembly hall in the roof story.

I find that both sections of the building are very much out of repair; that the building is inadequately heated, the heating plant being almost worn out; that there is no system of ventilation, nor proper toilet facilities provided.

I would therefore recommend that the building throughout be put in thorough repair, the mansard roof story to be extended over the old section, thereby providing two modern class rooms where the attic rooms now are; that a slate roof with copper gutters be put on to replace the worn out shingled roof and decayed wood gutters; that a modern system of steam

heating and ventilation be provided, also a well ventilated system of flushing school closets be provided in the basement, with suitable drainage for closets and roof water; and that the basement ceiling be plastered and a new cement floor be laid in the basement.

These changes would involve extensive repairs in the plastering. The plastered walls and ceilings above basement would need painting; the woodwork throughout should be painted. I realize the difficulty of correctly estimating the cost of the extensive repairs here suggested in a building of this character, but it may be well to consider the fact that this building would provide for as many pupils as the twelve room schools recently erected in the north and south parts of the city, and the cost would not be equal to half the cost of these schools.

I would suggest that an architect be employed to prepare plans and specifications for the work contemplated, and the work be done under contract.

GENERAL REPAIRS IN SCHOOL BUILDINGS.

The usual ordinary repairs have been made in many of the schools, mainly during the summer vacation, as ordered and directed by the school committee.

FIRE STATIONS.

Some needed repairs were made at Fire Station No. 6. The slate roof was repaired, new copper gutters were provided and the exterior woodwork painted; the brick walls and tower were re-pointed, the old stains carefully washed off, and the entire brick surface was much improved by the application of a coat of Cabot's brick preservative.

A new iron pipe drain was put in from the toilet room to the street sewer.

Only minor repairs were made in the other fire stations during the year. The same may be said of police stations.

CITY LIBRARY REPAIRS.

Some extensive repairs were made, mainly to the interior, during the summer vacation. The walls and ceilings were tinted, the woodwork re-painted and varnished, the most expensive portion of the work being the wiring of the building throughout for electric lighting.

These repairs were made under the direct supervision of the Chairman of the Committee on City Property.

Regarding the material to be used in covering the roofs of our city buildings, I would say that in years past many of the pitched roofs of brick buildings were covered with wood shingles, and wood gutters were used; these have been replaced generally about once in fifteen years, and in some cases in less time. I desire to recommend that such roofs be covered with the best quality of black slate, and that copper gutters be used in place of wood or tin gutters. The first cost will be greater, but the economy of using slate and copper is obvious.

CARE AND MANAGEMENT OF STEAM BOILERS.

Steam heat being used in nearly all our city buildings, it is important that the management and care of boilers and of the heating and ventilating plants in school buildings should be in intelligent hands. In some cases the business is new to the janitors in charge, and they labor under many disadvantages while becoming familiar with their work, the result being that the plant is liable to be mismanaged and improperly handled.

I believe that it would be economy for the City to employ a capable man to have full charge of the heating and ventilating plants and of all boilers used for heating purposes, one whose duty it would be to instruct the janitors in their work and would do the ordinary repairs required.

I desire to express my thanks to His Honor the Mayor, and to the different committees of the City Council, and to the School Committee, for their kindly co-operation and support in carrying out the work in my charge.

Respectfully submitted,

EDMUND O'KEEFE,
Supt. Public Buildings.

REPORT

OF

Inspector of Buildings.

BUILDING STATISTICS FOR 1901.

The total number of building permits granted during the year for new buildings, alterations and repairs and buildings moved and repaired was 446, at an estimated cost of $1,099,102, classified as follows:

	No. Permits.	Estimated Cost.
New dwellings (including stores and dwellings combined)	161	$327,000
New buildings and additions for manufacturing, business and office purposes	8	497,000
Buildings for religious, educational and hospital purposes	6	130,000
Additions and alterations to dwellings, stores, etc.	168	68,445
Buildings moved, altered and repaired	40	8,015
Miscellaneous buildings, including barns, sheds, etc.	63	22,125
	446	$1,052,585

CITY BUILDINGS.

	Estimated Cost.	
Woman's Ward and Hospital	$14,648	
Additions, alterations and repairs to school houses and other city buildings	31,869	46,517
Total		$1,099,102

In this total there were 161 new dwellings erected, including stores and dwellings combined, as compared with 72 erected in 1900. Number of tenements added for same period, including tenements in buildings altered, was 235, as against 102 in 1900. Number of stores added, 30; halls, 4. A large percentage of the dwellings erected are for the use of the owners and are a desirable class of houses.

The dwellings erected are classified as follows:

Number dwellings of 1 tenement each	79
" " 2 tenements "	57
" " 3 " "	22
" " 4 " "	2
" " 6 " "	1

The estimated cost of buildings erected in 1901 was $1,099,102, while those erected in 1900 cost $755,401, showing an increase for 1901 over 1900 of $343,701. Of this total the buildings erected for manufacturing, business and office purposes cost $197,000, as compared with $288,450 in 1900.

Many old and dilapidated buildings in different parts of the City were taken down the past year and replaced by modern and more desirable class of houses. Prominent among the buildings taken down the past year was the skating rink, located on County and Mill streets. This building had been a source of great annoyance to the residential neighborhood in which it was located for a long time, both in regard to its menace in case of fire and

the nuisance it created because of the character of some of the entertainments held there. To the city officials it was a source of grave anxiety whenever occupied by large audiences, on account of its structural weakness, having become so by its many changes for different purposes. Its removal was a source of gratification to all concerned.

During the year our city officials condemned the property on the square bounded by Middle, High, Second and Water streets, for the purpose of a park approach to the new bridge. On this site were twenty dwellings, containing 48 tenements, many of which from their dilapidated condition and the character of their occupants had become an eye-sore to the community. The condemning of this property for public improvement by our city officials has been vastly appreciated by our citizens.

Section 45, Chapter 481, of the Public Statutes, Acts of 1894, provides that the Inspector of Buildings shall in the month of May of each year inspect every room of every hotel and lodging house of ten or more rooms above the second story in this city, to ascertain if the provisions of the law regarding means of escape from such rooms in case of fire and that means of extinguishing fires are provided and complied with.

I have to report that such inspection was made in the month of May, and that I found in nearly all cases that the law was complied with, and have so reported to the Chief of State Police in Boston.

Forty-two written notices were sent out by the Inspector of Buildings during the year for various violations of the building laws, such as unsafe chimneys, unsafe and neglected buildings, etc. Twenty-six of said cases were adjusted at the office of the inspector, and sixteen were brought before the Committee on Buildings in the Fire Districts for official action.

I desire again, as in previous years, to call your attention to the necessity of revising to some extent the building ordinances of the city. The necessity for doing so becomes more apparent as the city continues to grow.

I shall merely outline a few of the more important changes that I would like to see introduced in the construction of our buildings.

Good, strong foundations and underpinnings; also strong brick piers or iron columns for the support of buildings should be insisted upon.

All brick chimney flues should have an eight-inch shell, or if built with a four-inch shell should have a terra cotta or other lining. In this connection I can say from data in my possession that there are more fires in dwellings caused by defective chimney flues than from all other causes combined.

Where one or more families are to occupy tenements above the first story, that two flights of stairs placed as far apart as possible shall be provided to reach every story containing living or sleeping rooms, in order to make safe exits in case of fire. The necessity for this requirement has been forcibly brought out in the case of a recent fire in this city, where four persons lost their lives.

The matter has received the attention of the Committee on Buildings in the Fire Districts, to the extent that the following vote was passed at a meeting of the committee held December 28, 1898.

Voted, That all dwellings containing two or more tenements shall have not less than two inside stairways to reach every floor containing living or sleeping rooms, the stairways to be placed as far apart as practicable or as may be directed by the Inspector of Buildings.

There are certain tenement houses that are considered fire-traps in this respect. Would it not be well to stop increasing the number of such?

Wooden buildings should be placed a sufficient distance apart on adjoining lots to allow facilities for putting out fires. Where wooden buildings are allowed nearer the line than the prescribed distance, the wall next the line should be built of brick or stone, with openings, if any, in said wall to be provided with fire-proof shutters.

The erection of stables of any kind nearer than a certain limited distance to dwellings should be prohibited.

There are other questions and ideas relating to the work of the Committee on Buildings in the Fire Districts which are not here mentioned, but which will be brought before your honorable body in due time by the committee.

CONCLUSION.

On the whole I consider the total footings for the year as very gratifying, considering the large number of buildings and portions of buildings that were vacant at the beginning of the year and which are now occupied by good paying tenants.

A large amount of work, such as answering inquiries or giving advice and counsel regarding building enterprises, cannot be tabulated, and is a constantly growing factor in the proceedings of this office.

I must gratefully thank the Committee on Buildings in the Fire Districts for the able and painstaking manner in which they have advised in all matters pertaining to the work of the office.

Respectfully submitted,

EDMUND O'KEEFE,
Inspector of Buildings.

In Board of Aldermen,

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

In Common Council,

Concurred.

W. H. B. REMINGTON, Clerk.

1902 — CITY DOCUMENT No. 13.

REPORT

OF THE

BOARD OF OVERSEERS OF THE POOR

OF THE

CITY OF NEW BEDFORD

FOR THE YEAR 1901.

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, CITY PRINTERS.
1902.

MEMBERS OF THE BOARD.

CHARLES S. PAISLER,
ALBERT H. W. CARPENTER,
EZEKIEL C. GARDINER.

OFFICERS OF THE BOARD.

CHARLES S. PAISLER,
Chairman.

ALBERT H. W. CARPENTER,
Secretary.

ELLA F. BUCKLYN,
Clerk to the Board.

AUGUSTUS A. WOOD,
Visitor to the Board.

ANTONE H. SENNA,
Interpreter to the Board.

ALPHONSE NORMANDIN, M. D.,
Physician, North District.

JOSEPH A. FRAZIER, M. D.,
Physician, South District.

FREEMAN H. ASHLEY,
Keeper of Almshouse.

CHARLOTTE S. ASHLEY,
Matron of Almshouse.

REV. EDWARD WILLIAMS,
Chaplain of Almshouse.

ANDREW J. ASHLEY,
Keeper of Wood and Coal Yard.

REPORT.

To His Honor the Mayor and the City Council of the City of New Bedford:

GENTLEMEN:—The Board of Overseers of the Poor respectfully submit their annual report for the fiscal year ending Dec. 2, 1901.

The apended itemized tables under the several heads will give the full particulars as to the amount expended for each division.

Respectfully submitted,

CHAS. S. PAISLER,
A. H. W. CARPENTER.

In Memoriam.

EZEKIEL C. GARDINER,

Died August 10, 1901.

A member of our Board since January 13, 1899, held in high esteem and appreciated by the Board, not only as a man, but as a colleague, whose advice was always good, whose decision and judgment always tended to be what he conscienciously deemed was for the best good for the city of New Bedford and in full accordance with his official obligations.

To his family we extend our sincere sympathy.

FINANCIAL STATEMENT.

Dr.

To amount of appropriation	$55,000.00
To amount of special appropriation	2,046 08
Received from State for support of Paupers	3,799.71
" " cities and towns	3,560.78
" for support of insane	1,721.19
" from individuals	338.63
" " sale of hay	315.60
	$66,781.99

Cr.

Months.	Outside Relief.	Insane Hospitals and State Institut'ns	Cities and Towns.	Alms-house.	Totals.
'00, December	$2,467.05		$20.00	$1,972.02	$4,459.05
'01, January	2,381.77	$3,035.67	255.80	1,842.56	7,515.80
February	2,627.96	377.11	215.90	2,157.87	5,378 84
March	2,962.32	179.12	47.25	1,689.01	4,877.70
April	2,337.88	3,143.70		1,614.95	7,096.53
May	2,195.81		7.91	1,948.36	4,152.08
June	2,077.36	276.58	55.84	1,865.56	4,275.34
July	1,980.04	3,297.34	106.44	1,637.65	7,021.47
August	1,942.82		295.58	1,617.85	3,856 25
September	2,305.52	461.69		2,051.57	4,818.78
October	1,933.00	3,546 59	69.00	1,801.37	7,349.96
November	3,149.43	161.57	4.50	2,664.67	5,980.17
	$28,360.96	$14,479.37	$1,078.22	$22,863.44	$66,781.99

EXPENDITURE IN DETAIL FOR OUTSIDE RELIEF, 1901.

Monthly Audits.	Groceries.	State Institutions and Lunatic Hospitals.	Cities and Towns.	Cash Orders.	Salaries.	Physician and Medicine.	Burials.	Boots and Clothing.	Transportation.	Horse Hire.	Office Expenses.	Stationery and Printing.	Board Outside.	Wood and Coal Yard.	Miscellaneous.	Totals.
1900, December,	$1,479.50		$20.00	$219.75	$263.85	$184.85	$156.00	$11.50	$20.70	$6 00	$1.60	$9.72	$23.50	$90.08		$2,487.05
1901, January,	1,348.00	$3,035.67	255 80	183.00	260.70	173.70	140.00	15.95	26.60		6.60	6.65		212.57	$8 00	5,673.24
February,	1,669,50	377.11	215.90	178.00	263.85	178.05	147.00	14.06		4.00	9 15	4.08		160.27		3,220.97
March,	1,616.00	179.12	47.25	160.00	402.44	174.85	132.00	14.00	59 57	4.75	1.45		216.50	180.71		3,188.69
April,	1,344.50	3,143.70		187.25	288.48	175.70	69.00	22,23		3.50	8.29	3.50	142.00	93.43		5,481.58
May,	1,223.50		7.91	186.00	290.08	177.65	177.00	22.23	20.00	5.00	1.00	5.52		87.83		2,203.72
June,	1,153.00	276 58	55.84	165 50	329 28	175.00	94.00	6.23	28.00	5.00	40.19	3.52	13.00	64.64		2,409.78
July,	965.00	3,297.34	106 44	192.75	285.08	172.00	161.00	17.71	55.33		45.75	20.00		65.42		5,383.82
August,	908.00		295.58	156.00	319.35	170.00	260.00	1.25	19.20		1.00	9.37		98.65		2,238.40
September,	1,058.50	461.69		196.75	276.06	170.00	68.00	8.50			85.78	5.75		436.18		2,767.21
October,	907.50	3,546.59	69 00	175.50	273.07	179.35	127.00	3.00		7.60	.34	7.90	23.00	228.74		5,548.59
November,	964.50	161 57	4.50	175.00	317.85	180.00	151 00	33.46		2.00	25.00	7.75		1,267.42	25.45	3,315.50
Totals,	$14 637.50	$14,479.37	$1,078.22	$2,175.50	$3 570.09	$2,111.15	$1,682.00	$170 12	$229.40	$37.85	$226.15	$83 76	$418.05	$2,985.94	$33.45	$43,918.55

DETAILED EXPENDITURE AT THE ALMSHOUSE, 1901.

Months.	Flour and Grain.	Dry Goods and Clothing.	Beef, Fish, etc., etc.	Groceries.	Shoes, Hats and Leather.	Furniture and Crockery.	Hardware.	Fuel.	Repairs on Premises.	Carriage Repairs and Blacksmithing.	Superintendent, Labor and Nursing.	Medicine.	Dressing.	Lighting.	Miscellaneous.	Totals.
1900, December,	$111.35	$114.95	$73.71	339.31	$35.14	$14.85	$16.36	$220.00	$54.03	$41.81	$730.21	$115.20		$79.88	$25.22	$1,972.02
1901, January,	232.37	80.03	75.80	247.92	41.92	42.89	7.85	132.00	48.13	23.03	737.29	48.00		85.58	39.75	1,842.56
February,	157.40	92.08	92.06	361.14	10.65	12.60	6.00	197.73	167.86	65.75	784.56	107.00		67.14	35.90	2,157.87
March,	168.95	86.09	72.27	210.84			13.86	143.00	32.73	21.13	786.36	87.09		66.69		1,689.01
April,	161.96	51.23	58.77	236.19	43.60		72.30		9.81	30.08	793.24	100.65		57.12		1,614.95
May,	141.03	11.79	115.79	398.80	25.43	7.48	22.30	220.00	1.68	61.95	782.83	89.58		47.40	22.30	1,948.36
June,	258.06	64.85	57.81	237.09	11.50	16.15	58.29	77.00	61.79	67.85	797.58	52.15		42.07	63.37	1,865.56
July,	154.92	91.82	84.23	189.65	34.47	9.98	59.04			15.53	852.83	64.56		33.93	46.69	1,637.65
August,	142.16	34.76	54.85	391.54	9.50	17.67	8.21			11.50	823.70	83.27		40.69		1,617.85
September,	187.55	24.46	84.69	263.41		40.60	152.89	269.50	34.63	25.31	821.58	78.50		56.59	11.66	2,051.57
October,	177.13	50.93	60.62	348.25	90.76	18.06	34.35	73.80	12.15	14.05	788.70	65.82		63.28	3.47	1,801.37
November,	214.24	41.14	152.26	351.80	7.74	11.70	78.20	246.00	4.95	35.50	823.37	91.73	$205.00	101.06	299.99	2,664.67
Totals,	$2,107.32	$744.12	$982.86	$3,575.94	$310.71	$191.98	$529.65	$1,579.03	$427.76	$413.49	$9,522.25	$983.55	$205.00	$741.43	$548.35	$22,863.44

STATISTICS OF OUTSIDE RELIEF.

Gross cost of persons outside of Almshouse		$43,918.55
Receipts from various sources		9,735.91
		$34,182.64
Amount paid for persons in State hospitals and in other cities and towns chargeable to this city		$15,557.59
Number of families aided in 1901		623
" " " settlement here	330	
" " " settlement elsewhere	92	
" " " State paupers	201	
Number of persons aided in 1901		2,124
" " " settlement here	1,036	
" " " settlement elsewhere	395	
" " " State paupers	693	
Average cost of aid to each family yearly		$29.89
" " " " " " person "		8.76

TRANSPORTATION.

Number of persons sent to their homes	58
" " " " " State Almshouse	45

BURIALS.

Males 78, females 89,	167

INSANE.

Number of insane at hospital during the year,	males 51, females 61
Remaining at city expense Nov. 30, 1901:	
At Taunton Insane Hospital	61
" Medfield " "	15
" Westboro " "	2
" Worcester " "	1
" Massachusetts School for Feeble-Minded	4
" Massachusetts School for Epileptics	1
" Massachusetts Hospital for Dipsomaniacs	2

PAUPERS AIDED ELSEWHERE.

But having settlement here (exclusive of the insane), families 30, persons 58.

Amount paid for their support in 1901 $1,078.22

ALMSHOUSE REGISTER.

Number remaining Nov. 30, 1901, 90

Months.	Admitted.	Discharged.	Remaining.
1900, December	9	7	92
1901, January	13	11	94
February	10	13	91
March	11	13	89
April	14	16	85
May	8	14	79
June	3	4	78
July	18	15	81
August	9	6	84
September	6	13	77
October	8	8	77
November	6	5	78
Totals	115	125	1,005

Whole number during the year	205
Discharged during the year	125
Remaining Nov. 30, 1901	78
Average monthly number	84

PRODUCE OF THE CITY FARM, 1901.

Potatoes	490 bushels
Onions	100 bushels
Squashes	6,000 pounds
Turnips	370 bushels
Beets	6,000 pounds
Cabbage	10,000 heads
Sweet corn	5 acres
Field corn	742 bushels
Hay	125 tons
Straw	6 tons
Corn fodder	25 tons
String beans	30 bushels
Peas	8 bushels
Pork	4,162 pounds
Fowl	269 pounds
Tomatoes	150 bushels
Milk	41,830 quarts
Celery	11,000 plants
Cucumbers	21 bushels
Melons	12 bushels
Lettuce	270 plants
Barley fodder	3 tons
Rye	71 bushels

REPORT OF THE PHYSICIAN
OF THE
NORTH DISTRICT
TO THE
BOARD OF OVERSEERS OF THE POOR.

GENTLEMEN:—I have made during the year ending Dec. 2, 1901, 786 house visits; received 444 office calls; visited the almshouse 36 times; births, 14; deaths, 22.

Respectfully submitted,

ALPHONSE NORMANDIN, M. D.

REPORT OF THE PHYSICIAN
OF THE
SOUTH DISTRICT
TO THE
BOARD OF OVERSEERS OF THE POOR.

GENTLEMEN:—I have made during the year ending Dec. 2, 1901, 539 house visits; received 255 office calls; visited the almshouse 55 times; births, 10; deaths, 18.

Respectfully submitted,

JOSEPH A. FRASIER, M. D.

IN BOARD OF ALDERMEN,
April 24, 1902.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,
April 24, 1902.

Concurred.

W. H. B. REMINGTON, Clerk.

1902 — CITY DOCUMENT No. 14.

Eighth Annual Report

OF THE

DEPARTMENT OF PARKS

OF THE

CITY OF NEW BEDFORD, MASS.

For the Year 1901.

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, CITY PRINTERS.
1902.

COMMISSIONERS

JOHN J. HOWLAND

SAMUEL P. RICHMOND

JAMES E. MOORE

A. EDWIN CLARKE

OFFICERS

CHAIRMAN

JOHN J. HOWLAND

SUPERINTENDENT

THOMAS W. COOK

CONSULTING ENGINEER

W. F. WILLIAMS
City Engineer

REPORT.

CITY OF NEW BEDFORD,
OFFICE OF PARK COMMISSION,
MASONIC BUILDING,
Dec. 31, 1901.

To His Honor the Mayor and the City Council of the City of New Bedford, Mass.

GENTLEMEN:—As required by Chapter 154, Section 12, of the Acts of the Legislature of the Commonwealth of Massachusetts of the year 1882, entitled "An Act to Authorize Cities and Towns to lay out Public Parks within their limits," approved April 18, 1882, the Board of Park Commissioners of the City of New Bedford has the honor to submit herewith a report of its doings, including detailed statements of all receipts, expenditures and liabilities for the year ending in December, 1901.

The report required by the statute implies the imparting of information additional to that which can be gained from mere inspection of the items of expenditure comprised in the "detailed statement," which accompanies it. The general public has a right to expect that the report of the doings of the board, literally made to the City Council, shall annually discuss the subject of Park Reservations, their improvements and maintenance in the light of its own experience, and also in the light afforded by the reports of other similar boards and by the conclusions of writers who have made such matters the subject of research and comparison.

The present board was not formed until the fall of 1899, and the care and supervision of the parks did not devolve upon it until October 9th, of that year, at which date the parks were formally transferred by the Board of Public Works, which since 1892 had been acting as a Park Commission.

The regular meetings of the board were held Monday evening of each week, and devoted mainly to the consideration of the policy of the Commonwealth in encouraging reservation of lands for park purposes, the best methods of executing such policy and meeting the just expectations of our citizens in the improvement of lands, heretofore located as parks by the Board of Public Works acting as a Park Commission.

At such meetings it has also conferred with its superintendent upon current matters, and from time to time directed and confirmed his management in the various details of works of improvement and of maintenance.

This board from its inception has been profoundly impressed with the principles recognized and established by the Legislature in obedience to the popular demand, whereby such reservations can be used freely for outdoor enjoyment, whether of recreation or rest, by the entire public, subject to such regulations only as shall secure to all the fullest benefit from the outlay of appropriations annually made by the City Government for that purpose. It is a notable advance of the most beneficent character in government by the people for the people when, within the city, provision may be made at public expense whereby rural scenery and rustic pleasures may be freely enjoyed from infancy to old age, by the poor as well as the rich. It is a wise policy which tempts thousands of our operative population from crowded and insufficiently ventilated homes into the fresh air, amid restful scenes of ever changing beauty

which nature presents in well kept parks. The general provision of public parks is doubtless one of the most potent factors in the reduction of the death rate in America. Within the last twenty years almost every city in our land has established parks. According to the "American Medicine," a professional journal, within the past ten years the death rate in America has been reduced about twenty-five per cent., in many cities having fallen off as much as thirty-three per cent., and it is steadily going down throughout the entire country. That journal expresses the expectation that "another twenty years will witness a further reduction of twenty-five per cent., bringing the death rate within this generation to twelve per cent." (thousand), and further says, "There is no necessity except public ignorance and indifference for the national death rate to be over eight or ten per cent." (thousand).

Though this may be an over sanguine expectation, the fact of the actual decrease in the death rate is worthy of note.

There are 78 cities having over 50,000 inhabitants, and according to a park census, reported by Mr. G. A. Parker of Hartford, 67 cities had 2,360 parks and squares enumerated, the total area of which, as given, amounts to 59,717 acres, at a valuation of $531,571,947.00, the last year's expenses for constructive purposes upon which amounted to $4,555,213.00, and for maintenance to $4,349,150.00.

Hon. Seth Low, late President of Columbia University and now Mayor of Greater New York, speaking of good government in New York, said among other things: "It means that there shall be small parks and playgrounds everywhere for old and young alike, that all the children of New York may have something like an even chance to grow up into strong, hearty, God-loving and God-fearing men and women. Light and

air are the gift of God, and the folly or greed of man should not be permitted to rob one child of enough of these." As a statesman he avows that a municipality is charged with a responsibility for the health of all its citizens, and should in promoting the general welfare wisely provide for recreation in the open air as conducive to health and the general prosperity, morality and the happiness of the community.

Mr. Parker, among the various comments which he makes as the result of his "Census,"says: "Are parks a necessity or a luxury? The wealthy cities have them, the poorer do not, but if there is any place where parks and playgrounds are needed it is among the laboring classes. No child should be required to go far to reach its playground. I cannot show by statistics, yet I believe it to be a fact, and if a fact, it will be so thoroughly shown that all will believe, that there is a direct relationship between parks and open spaces and disorder and crime. I could have brought statistics that would have indicated the relationship very strongly, but preferred to wait until it can be done quite positively. Yet I will say that I believe a proper proportion of open spaces would reduce what might be called the hoodlum misdemeanors at least seventy-five per cent. and the crimes against women surely one-half in the manufacturing cities, although they may be of no use in lessening the misdemeanors and crimes of the race." From the census and from 38 tables compiled therefrom, a committee of the American Park and Open Air Association drew conclusions which were presented as suggestions that would seem to furnish approximately some standards of judgment founded upon experience instead of the uncertainty of individual opinions heretofore existing as to park areas, cost of construction and maintenance. Their report says: "We have not yet learned just what is sufficient for parks, but suggest that one acre in

twenty should be set apart for parks and squares, and arranged for before it is too costly, but only developed at the rate of one acre to 200 population. As population increases finish the parks, but no faster. The per capita cost for the total expenses of the city is from $25 to $40. Therefore sixty cents per person for parks is not excessive, and if this is considered as the usual fee for its enjoyment, the investment is a safe one, for the land can be sold for more than it cost."

Mr. Parker estimates that without masonry or bridge construction the parks require ordinarily $2,000 per acre for improvements to adapt them to a proper condition for popular enjoyment, and also an annual outlay of sixty cents per capita for their maintenance, besides the expenses for police and lighting. The cost of improvement of the 2,360 parks and squares included in his census varied from $50 to $24,000 per acre. As no two parks are identical in their natural characteristics it is apparent that no exact rule can be deduced for universal application, yet we are enabled to form some idea as to what sums other communities have deemed reasonable as expenditures for improvement. He says: "If income per capita is a little over a cent a week, that is sixty cents a year, then the income from 200 people is $120, which is a good average amount for maintaining an acre of park without policing or lighting. Then, also, if the cost of construction is $2,000 per acre, and it costs that to do thorough work, the amount of bonds sold would be $10 per capita, not a burdensome or unusual amount."

In the light of these statements it is interesting and instructive to consider broadly the subject of our own parks. We have an area of almost twenty square miles within the limits of our city, a population of 62,442 inhabitants, property of an assessed valuation of $57,884,450, and 162¼ acres devoted to parks and squares; our public debt is estimated at $2,855,344, or about $45.74

per capita, of which the amount paid for land for parks, since the act of 1882 was accepted by popular vote, is $73,446.70, or $1.74 per capita, or slightly over 2½ per cent. of the public debt, while it is about 1 $\frac{27}{100}$ mills per cent. assessed on the city valuation. The cost of improvement, maintenance, police and lighting for the parks, and the new park lately purchased (excepting the former Marine Park), to January 1, 1901, has been $138,178.82, or on an average of about $15,353 annually for nine years, or 24 cents per capita, or slightly over 2 mills per cent. each year on the city valuation.

The tax rate of 1900* was $1.76, which would give the cost of municipal government as $1,018,766.32, or cost per capita of $16.31, which is $8.69 less per capita than the lowest estimate made by Mr. Parker in connection with his "Census" above referred to.

It must be remembered that the sum estimated as the cost of municipal government includes interest and payments into sinking funds for the ultimate extinction of the city debt, and that such debt was created that the city might possess, together with school houses and bridges, an adequate water supply for its rapid increase in population.

The last national census indicates the remarkable rate of such increase of populatiion in this city in the last decade of 53 $\frac{2}{10}$ per cent. This rate of growth has only been exceeded in all the 135 cities of the United States having over 30,000 inhabitants by two cities in New England (Waterbury, Conn., and Somerville, Mass.), and twenty other cities for the greater part situated in the growing west. There are only 57 cities having a greater population than New Bedford. This remarkable increase, it may be noted, has been more rapid since the community accepted the provisions of the Park Act.

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* 53 cities had an equal or greater rate, and 57 cities had a lesser rate.

It is estimated by the Committee of the American Park and Open Air Association that the aggregate cost of municipal government in the United States is $500,000,000 annually, and that "only two per cent. of that sum is expended for the improvement and maintenance of parks."

A glance at the expenditure for parks in New Bedford shows them to have been of most modest proportions in comparison with those of some cities whose growth has been less rapid, whose wealth is less, and whose tax burdens are even in some cases heavier. The last (eleventh) census shows that of 110 cities having a population of at least 30,000, 53 have an equal or greater rate of taxation and 57 less; and that only 38 cities have an equal or greater amount of taxable property according to the assessed valuation. Per capita New Bedford ranks as the eleventh city in the United states in taxable wealth.

In lieu of one acre for every 200 inhabitants, which would be 312 acres, we have but about 162 acres; and instead of expending for improvement $2,000 per acre ($324,000) and an annual appropriation for maintenance without police or lighting of $120 per capita, which in nine years would have amounted to $336,960, making $660,960 in addition to original outlay for land, the city has expended for land, improvements, maintenance, police and lighting, administration, animals and every incidental expense, and for former Marine Park and City Hall Square, $219,442.49. This is but $3.45 per capita for the entire outlay, or 38 cents per capita annually, is less than 8 per cent. of the public debt, and only $4\frac{1}{10}\%$ of the assessed valuation of our taxable wealth. Brooklawn, with its 91 acres and 141 square rods, would have required for improvements, allowing one-half for its original improved condition, $91,912.50, and Buttonwood, with its 62 acres and 58.74 square rods,

$124,724.35; the Common, with its 7 acres 69½ square rods, $14,958; the Grove, with its 32 square rods, $1,866.50; the Triangle, with its 25.86 square rods, $333.25, a total for improvement of $233,794.60, for which no special appropriation has been made excepting the sum of $10,500 for improvements of the Common. In this connection it is well to recall to mind the portion of the report of the Board for 1897: "We are of the opinion that the annual appropriation for the use of the department should be of such amount that this board can carry on each year the work of developing and improving our park lands. The development should follow along well defined lines, each year's work to have its greatest value shown upon the completion of the general scheme of improvement. The department is prepared to start this work at such times as your honorable body makes an appropriation to meet the expense." From the time lands were purchased for parks each Park Board has followed the plans originated by Messrs. Olmstead, Olmstead & Eliot, the famous landscape experts, but have been compelled to confine themselves to such meagre improvements as could be made from the limited annual appropriation needed for maintenance.

This board therefore does not hesitate to again urge for your favorable consideration the representations which it made in its last report (p. 39) in the following terms: "The commissioners are aware that the possibilities in the development of our park system are numerous, and that much of the work should be devised and extended with a proper regard to the future. The annual appropriation will not allow any extensive improvements, yet the commissioners feel that aside from the regular maintenance of the parks they have improved their appearance and added somewhat to permanent improvement." It also renews its former requests for

appropriations sufficient to establish shelter houses at Buttonwood and Brooklawn Parks, as improvements which are at the present time of the most urgent character, and which cannot be provided from funds which are required for the current expenditures for maintenance. Plans we published in our report for last year, and the estimated cost of erecting such building would be not far from $5,000. It also urges that the commencement of a marine museum should be made this year and installed at Brooklawn Park. For that purpose it asks that a specific appropriation be made.

A series of greenhouses should be constructed, to be added to as needed, for the preservation of bulbs and plants during the winter, and the propagation and care of plants to supply the different beds. Additional places or fountains for the supply of drinking water in different localities are needed for the greater convenience of the public. Plantations or nurseries for shrubbery, as well as for young trees, should be increased or extended, not alone for existing parks, but for those which at no distant day will be located to meet the probable demand of this community for an extension of our park system.

This list cannot embrace all the improvements that will be needed to complete the construction of our parks according to Messrs. Olmstead, Olmstead & Eliot's plan, yet it emphasizes the necessity of sufficient appropriations to enable this board to advance such improvements from year to year, until their completion shall be effected. To undertake to complete them by means of a single appropriation would be unreasonable, and yet we beg to suggest a method which will permit this board to adopt some plan for successive improvements without material increase of the tax rate. When we reflect that even an addition of a quarter of a cent to the tax rate would admit of the same appropriation for maintenance as was

made last year and still leave a margin of nearly $122,000, it would seem that if your honorable body should commence a systematic series of appropriations for improvements, beginning with $6,000 for 1902, and increasing the amount by $1,000 each succeeding year, as the public debt diminishes by the increase of sinking funds, in less than 16 years our present parks would be fully and artistically developed, and during that time this board would be able to use the annual appropriations made for maintenance for that purpose only. Sixteen years hence the city will have expended but the $200,000 as above estimated for necessary improvements without such an increase of taxation as would prove burdensome, as per capita it would be but barely fifty cents annualy for improvements and maintenance. Nor would these sums be lost or wasted. They are not for a temporary gratification alone, but are rather a judicious outlay for our health and enjoyment and that of our posterity. They partake of the character of investments which are enhanced in value by each increase of our population, as well as by the conversion of manual labor which we employ into permanent rural attractions; for these sums are paid out as wages to our own residents, and their work reveals the beautiful or banishes the unsightly, while it also increases the value of residential property in the vicinity of our parks, stimulates building in their proximity, and incidentally makes the employment of other laborers profitable, and thus the ever widening ripples of prosperity, contentment and civic pride are contributing to render our city of spindles one of happy operatives and peaceful citizens, proud in the possession of accessible rural spots, where they may enjoy, amid beautiful scenes, the beauties of which nature is so prodigal, and recuperate their energies. By the necessity of the government upon the declaration of the war with Spain, we have been deprived of the occupation

of our former Marine Park. There is therefore necessarily greater need that the other parks should be more rapidly improved. The loss of Marine Park is greatly to be regretted, as it was the only one affording views of our harbor, the distant islands and our beautiful bay, a park in its natural features without a rival in any city in the land. Whether French Avenue shall be treated as a parkway, with trees and shrubbery and lawns through the middle of the avenue and thus partially supply that loss, is worthy consideration, notwithstanding the recent purchase of land in that vicinity.

The somewhat peculiar characteristics of our parks must in no small measure determine the necessity for the annual appropriations for improvements, as well as for maintenance. We have no tracts of land whose rugged picturesqueness it is desirable to preserve in all its natural beauty, nor any stretch of river-bank or lakeside to protect from commercial destruction, nor any reservation to be maintained to minister to the actual necessities of our growing community. The Palisades and portion of Central Park in New York, and Prospect Park in Brooklyn, abound in picturesque scenery of one kind. The wooded banks of the Connecticut River give the large park in Springfield beauty which is incomparable; the lakeside views in Cleveland and Detroit furnish other kinds of natural attractions which are unique, while Lynn reserves the entire wooded watershed in her suburbs to preserve her supply of potable water. Such reservations, though expensive as well as extensive, do not require special improvement, excepting to render them accessible and convenient for general enjoyment. They are not susceptible of improvement by the hand of man, excepting by lighting, walks, driveways, bridges and seats, and to attempt it is almost sacrilege. On the other hand, our parks in a natural condition would present the unattractive appearance of a

terminal moraine, with here and there a spruce or birch struggling for a hold among a profusion of small boulders, ferns and patches of wild grass. Fortunately, all have been in some degree reclaimed and fitted for residential sites before their purchase by the city, yet the degree of improvement that could be adequate for individual occupation is insufficient when the entire grounds are to contribute to the recreation and enjoyment of a populous community.

First, the tract must be plotted by an expert landscape artist, so that all improvements may be skillfully adapted, after a series of years, to render the park as attractive as possible. This was done in the case of Brooklawn, Buttonwood and the Common before any expenses for improvements were incurred, and the plans of Messrs. Olmstead, Olmstead & Eliot, landscape artists, have been our guide in all improvements which have been since made. Then comes leveling, filling and changing surfaces and graveling to afford walks, drives, vistas, flower beds, lawns, foliage, shrubbery, groves and water surfaces, so that all the different features of the park may present harmony in detail and beauty in combination. Then follows the sowing, planting, sodding of finished areas, the removal or concealing by shrubbery or otherwise of all unsightly objects, the utilizing and beautifying of natural springs or water courses, so as to secure running water, ponds and fountains in appropriate locations and in such abundance as to enhance the attractions of the park and subserve the convenience of the public.

With all this accomplished after many years of toil, we should not yet have secured a model park such as should satisfy a city of the population, wealth, taste and civic pride of New Bedford. We would still be without tasteful elevated stands for orchestras or public speaking, or sheltering conveniences of any kind, without green-

houses for the protection or propagation of plants, without tools of any kind, or places to keep them, or potting earth or dressing, without cabinets or retiring rooms for sudden illness or surgical or medical needs, or cots, stretchers and common remedies for first application in such emergencies as are not infrequent where large numbers of people congregate; there would be still lacking common means of recreation for our children, such as swings and other mechanical devices, ball grounds or tennis lawns specially adapted and made convenient for participants and spectators of larger growth, nor should we feel content until every park in our city has become, not merely a spot in which every citizen may take pride, but which shall yield to every man, woman and child who visits it the fullest joy that sunshine or grateful shade and pure air amid pleasant surroundings can impart.

Brooklawn is in the most advanced condition in many respects of all our parks, yet much remains to be done for its future improvement.

The Common has undergone a most gratifying transformation from a neglected field, and now with its abundant shady walks and seats at the foot of the hill, and its profusion of flowers near the Soldiers and Sailors Monument, its fine views of the Acushnet River and distant landscapes from the top of the hill, it is a grateful retreat for the tired laborer and his family at the close of the day, and an object of pride and satisfaction to our citizens at all times. Though something has been done towards the improvement of Buttonwood Park, it is inconsiderable in comparison with either of the above named parks, excepting that as it is favored with a natural supply of water areas capable of further extension, if needed, without injury to other desirable features. It has furnished, besides recreation, instruction and amusement from the zoological collections

established. Its location, however, is distant from the homes of most of the operatives in our mills, and therefore it is less attractive to the general public than the other parks, excepting in winter, when the surface of the pond is frozen. It is the most popular resort in the city for skating, and this largely compensates for delay in improving the other features of the park as summer attractions.

The recent purchase of land in the sixth ward for a park now gives the public additional opportunities for park privileges in point of diversity and accessibility, but it of necessity involves a further postponement of many intended and needed improvements in the other parks, as well as additional appropriation for initial improvements, that this new park may be speedily put in a condition which shall render it available as a resort for the populous community at the south end of our city. One natural feature of the new park gives it a superiority that neither of the others can ever possess—its charming sunsets and mirrored reflections of tinted clouds from the placid waters of the cove. There is no question that this park will eventually become one of the most popular resorts in the summer season, and it should receive at the hands of the City Council and of the board such liberal consideration as can be given, without a diminution in improvements or maintenance of the other parks.

It must be borne in mind that our city presents the peculiar phenomenon of being settled in three populous communities, around collections of diversified industries, and that a park now exists in the vicinity of each community. A greater interest in our park system will necessarily be awakened and the slight expenditure per capita be more cheerfully borne as the advantages of our parks are experienced by an increasing number of our people. Within a short time also this board will be

charged with the care of the plaza or approaches to the new bridge to Fairhaven, and new items of expense must be provided, for we would have that locality receive such careful treatment as shall render it a matter of pride to every inhabitant of our city, and a pleasing object to every stranger within our gates. Fortunately, thus far in our history, we have had no manifestation of that vandalism which wantonly or recklessly destroys works of art or flower beds, and therefore infer that whatever may be attempted in beautifying that locality may safely be intrusted, when completed, to the jealous guardianship of the great mass of an appreciative and co-operative public. It is undoubtedly true that the condition of our parks, as well as our public buildings, serves as a criterion by which to judge of the civic pride of our community, inasmuch as it shows whether we are doing our part as a civilized community in solving "the most vital problem (to use the words of President Roosevelt) which has for one side the betterment of *social* conditions, moral and physical in large cities, and for another side the effort to deal with that tangle of far reaching questions which we group together when we speak of labor." Our parks are not simply an indication of our taste and refinement. They show what we are doing to attract our operatives and their families from the depressing atmosphere of overcrowded tenements and the degenerating influences of local resorts into the verifying, invigorating and refreshing sunshine, the healthful and regenerating influences of pure air, and that social inter-communication with one's neighbors which calls for the manifestations of the better elements of our nature; allays aggressive or malicious tendencies, promotes contentment, dispels gloomy thoughts, awakens calm reflection, affords rest and repose and brings the weary toiler into harmony with surrounding nature and with the civilization in which he perforce must bear his

part, and which is most satisfactorily done only when he has a sound mind in a sound body.

The New York Municipal Art Association has for its motto one applicable to our own duties: "If we would love our city we must make our city lovely." Reciprocally as we make our city lovely we make citizens more desirable and more worthy. These principles have given birth to associations in aid of the extension of civic aesthetics all over the country, one branch of which, among other ways of elevating the general citizenship, concerns itself with the subject of public parks and playgrounds. Of a similar character is the National Association of Park Superintendents, whose conferences and discussions lead to dissemination of information of definite and precise character, derived from the comparison of the experiences of those practically engaged in the management of different parks. These meetings are held at stated times in various places where there are parks, and one of the most useful and instructive features of such meetings is the inspection of the parks in the vicinity, which takes place in company with the Park Board. Then the results of the investigation of the participants become known and tend to promote the most economical administration of each Park Board, as well by a knowledge of actual cost consequent to the adoption of any plan for improvement as by the avoidance of doubtful experiments which may have been proposed.

Your board is gratified to report that greater interest in our own parks is being shown by our people of every age and condition, when recently, from a desire to economize, and from misconception of various persons as to the character of the expenditures of this board, there was a possibility of failure to provide funds requisite for continuing the floral display next summer, to which the people had been accustomed for years, there was manifested a most general concern wherever our citizens met,

and the columns of our newspapers were availed of to voice the prevailing sentiment. The consequence was that not only the necessary appropriation was voted, but the acquisition of land for the new park in the Sixth Ward followed.

Notwithstanding that the attendance at Brooklawn, the Common and Buttonwood Parks has surpassed those of previous years, the same orderly deportment has characterized the various public gatherings. It has seemed that at times the accommodations of the electric railway have been taxed to their limit, especially when music has been an additional attraction at Brooklawn Park. Certainly there can be no more inspiring sight presented anywhere or at any time than is to be seen at that park on such occasions. They attest not only the popular appreciation of the advantages of our parks, but they likewise furnish proof of their salutary influence upon the community. Around the music stand at the farther end of the velvety lawn were grouped the greater portion of the listening assemblage, while other portions hovered in the rear among the borders of the adjacent groves or lingered under the trees upon the shady knolls. Here near the main driveway were families in carriages quietly enjoying the music and the beautiful sight—their horses even seeming to be subject to the soothing spell. Yonder, the paths beneath the trees were peopled with young and old moving leisurely about with happy faces. Upon the verandas of the cottage were seated watchful fathers and mothers, while their children were playing around the pebbled pond, fascinated with its shimmering surface and the graceful movements of the swan and other water fowl. Another surrounded the children's swings and had their hearts gladdened by the supreme happiness of the little ones manifest in beaming countenances and joyous exclamations; others still were quietly inspecting the cages of the animals or admiring

the beds of flowers or tranquilly viewing the sparkling jets of the fountains. As the sun dropped near to the horizon the shadows of the trees lengthened and gradually changed the color scheme of the entire scene, and made richer in color also the light clouds in the western sky, thus creating a brilliant background visible in spots through the trees. Above those happy throngs, gracefully floating from the flag-staff upon the lawn, in the light breeze of summer, was the beloved flag of our country, reminding all that, nowhere in this wide world other than under its protecting folds can there be such sense of common proprietorship or such opportunities for rational social enjoyment amid the beautiful scenes that abound in nature. Here in this orderly assemblage there was neither a loafer, wanton nor vandal. No flower was torn from its stem, no injury done to tree, turf, shrubbery or animal, nor to any part of the public property. Everyone looked placid, serene and happy. There was a pervasive harmony in the vibrating air, social harmony and contentment in every heart, and nature as well as humanity was in harmony with the angelic proclamation which ushered in the first century, "On Earth Peace Good Will Toward Men."

We believe that the advantages of our parks and playgrounds may and should be more generally considered and discussed by the great mass of our people. The possibilities of their usefulness are limitless. Even if we had a local association whose special object was to co-operate in rendering our city more beautiful, yet park improvement is worthy of the serious attention of many of the existing clubs of both sexes, and any suggestions from such sources might materially aid this board in such improvements as would diplace whatever is offensive to a refined taste, and lead to the substitution of some other feature more gratifying to the eye. To that end such societies might well offer prizes

for the most unsightly objects in the parks, as well as for the most beautiful scenes. Societies may well hold some of their open-air public fetes in our parks under the responsibility of their officials. Teachers might occasionally have an outing with their pupils and find valuable incentives to study in botany, zoology, forestry, mineralogy, geology and other branches of natural science. With the camera or brush the artist even may find something worthy of his skill. Let our merchants visit our parks more freqently with their families, and as they drive through the gravelled ways consider also that the home labor which finds employment is giving enhanced value to the city's property, and bringing joy and health to many whose health would otherwise be under a constant shadow of gloom and discontent. Out of his surplus, perhaps in time he may, as many have done in other cities, by gifts of lands, statues, fountains, bridges, objects for the much desired whaling museum, or funds, provide still further means to enable the city of his residence to attain the ideal rank to which every lover of New Bedford would have his city aspire.

Herewith we submit an account of our receipts and expenditures up to the first day of December, 1901. We also forward the annual report of our superintendent, T W. Cook, whose intelligent aid was found most valuable to us and whose careful management and assiduous devotion to his multifarious duties merit our highest commendation.

Respectfully submitted,

JOHN J. HOWLAND,
S. P. RICHMOND,
JAMES E. MOORE,
E. EDWIN CLARKE,

Park Commissioners.

Superintendent's Report.

To the Honorable Board of Park Commissioners:

GENTLEMEN:—I have the honor to submit to you my second annual report, giving a summary of the work accomplished by your direction in the Department of Parks during the fiscal year ending Nov. 30, 1901, including a few comments and suggestions which I hope will not be considered inappropriate. While it has unquestionably been the desire and aim of the Park Board to not only maintain creditably and acceptably the parks composing their department, the amount of the appropriations and the manner in which they are made preclude the possibility of many changes or improvements of any magnitude. However devoted to the work the officers of the department may be, and no matter how much alive to the necessities, the possibilities or the advantages of judicious annual outlays for fixed improvements, they must depend upon the intelligent conception of the work by the City Council, and rely upon their generous giving to accomplish anything in the way of a new departure from the ordinary maintenance. Our parks are susceptible to great improvements, whereby their attractiveness would be essentially enhanced, and consequently their usefulness increased, if the improvements that the location and possibilities of the parks suggest could be realized from appropriations by the City Council and the judicious expenditure by the Board, along the lines recommended by the landscape artists

who have at times visited the parks and expressed their views about them.

One distinct and important plan has been adopted in the work of the park system, the policy of which must commend itself to every lover of nature and the beautiful in nature and upon which a volume might be written. Each year new trees are put out wherever practicable and the parks thereby made more beautiful, for trees are the most important integral parts of the beauty of city or town.

It is not clear to many where the responsibility rests for the increasing and multiplying of trees in our streets, yet, wherever it is, and whether the trees are public or private, they should be subjected to the most scrupulous care, and no street, park, avenue or highway allowed to be devoid of them, for their importance as having largely to do with the health, beauty and comfort of a city is recognized. It has been said by one writer "that the tree is a highly useful decorative part of the street furnishing, which years of growth are required to create, though an hour's thoughtless work may destroy it; and that the tree whose life is spared may bless several generations of individuals." I earnestly recommend our people to plant and protect the trees.

Mr. Charles Mulford Robinson, in his work on the improvement of towns and cities, says:

"In the discussion of trees for cities the effort has been to keep in mind only their aesthetic importance. The argument in their behalf can, however, be greatly strengthened by consideration of their sanitary value. The foliage inhales carbonic acid and exhales oxygen. As a result the diseases incidental to heat are less prevalent in streets where there are large trees. The leaves absorb also the poisonous gases generated by the decomposition of animal and vegetable matter in hot weather. Their shade, which is pleasant to see, is also

cool. There is less direct heat and less reflected heat, while in winter the trees actually radiate warmth. The importance of this sanitary value of trees to cities is illustrated by the following resolution, passed at a meeting of the New York County Medical Society:

"'Resolved, that one of the most effective means of mitigating the intense heat of summer months and diminishing the death rate among children is the cultivation of an adequate number of trees in the streets.'

"It may be illustrated further by the fact that the bill which was presented to the legislature in 1899, to put the care of the street trees of New York City in charge of the Park Commissioners, was drawn by a physician, a member of the State Board of Health, and was introduced as a merely sanitary measure. Here again, therefore, the requirements of modern hygiene give a substantial basis to the appeal of municipal aesthetics. Each is stronger for the other's aid."

The beautiful city cannot do without trees, trees that are graceful, strong and numerous. Let us make, if we will, their sanitary value the basis for municipal control of them; but then, for the sake of their great possible beauty, they should be put in charge of a commission of expert knowledge and aesthetic ideals. Let us, finally, yield ourselves, in the city of all places, to the frame of mind which was Ruskin's in exclaiming, "What a thought that was when God thought of a tree."

What does he plant who plants a tree?
He plants a friend of sun and sky;
He plants the flag of breezes free;
The shaft of beauty towering high;
He plants a home to heaven anigh.
For song and mother-croon of bird
In hushed and happy twilight heard—
The treble of heaven's harmony—
These things he plants who plants a tree.

What does he plant who plants a tree?
He plants cool shade and tender rain,
And seed and bud of days to be,
And years that fade and flush again;
He plants the glory of the plain;
He plants the forest's heritage;
The harvest of the coming age;
The joy that unborn eyes shall see—
These things he plants who plants a tree.

What does he plant who plants a tree?
He plants, in sap and leaf and wood,
In love of home and loyalty
And far-cast thought of civil good—
His blessing on the neighborhood
Who in the hollow of his hand
Holds all the growth of all our land,
A nation's growth from sea to sea,
Stirs in his heart who plants a tree.

—The Century.

The addition of Hazlewood Park, containing 28 acres, to our park area is wise and timely. This city has reached a stage in its municipal growth that calls for what all cities have already recognized as an absolute necessity. In proof of the same I would point out the extent to which other municipalities have provided and are maintaining public parks. The very cities who have the largest park area are those who, being so well satisfied with the investment, are increasing their parks in number and size. Believing that our people are not acquainted with the size and growth of the park system in the country, I submit below a collection of cities, their park area, and number of people to one acre of park.

	PARK AREA. ACRES.	NO. OF PEOPLE TO ONE ACRE OF PARK.
Baltimore	1,200	362
Boston	2,094	370
Boston (Metropolitan)	10,000	
Brooklyn	760	1,061
Buffalo	940	272
Chicago	2,425	453
Cleveland	1,100	275
Council Bluffs	647	33
Detroit	885	232
Indianapolis	116	900
Louisville	1,079	150
Lynn	1,600	35
Milwaukee	398	514
Minneapolis	1,476	112
Newark	2,000	91
New Bedford	190	329
New York	5,175	293
Omaha	543	238
Philadelphia	2,791	378
Pittsburg	707	337
Plymouth	500	15
Portland	100	364
St. Louis	2,380	190
St. Paul	600	222
Toledo	700	116
Wilmington	241	250
Washington	1,750	137
Dayton	12	7,111

Dr. Wm. H. Haines of Brooklyn says: "A public park system is an important factor in the improvement of the general health."

Dr. Orlando B. Douglass of New York, in an address on the relations of public parks to public health, says: "Trees, shrubs, grass and flowers are possessions of as real practical value as pure water, good drainage, fresh air, hospital, schools and churches, but the truest value of a park is the rest it gives the eye and mind, heart and soul through the soothing charm, the fresh and inspiring

influence, the impersonal unexciting pleasure, which nothing but the works of nature can give to man. In the congested portion of our cities, "Health affrighted, spreads her rosy wings and flees away, but builds her nest in the park.'"

BROOKLAWN PARK.

The usual care to keep this park up to its accustomed condition has been bestowed upon it the past season, and its appearance has in no way lost its attractiveness. Some few changes and additions have been made, which improve the park and contribute to its usefulness and to the enjoyment of the public. The attendance has been much larger than ever before, and there seems to be a disposition by the people to make this park the object of their spare hours pilgrimages more and more. Each year the sentiment in favor of it, not only by our own people, but also people from neighboring towns, who are acquainted with the park, its beauty and attractiveness, is manifested in larger numbers and on more frequent occasions. It is gratifying to the board to know that their efforts are being steadily and rapidly appreciated.

The time has passed when a park in a city like New Bedford could be called an experiment, and no argument ought to be needed to impress every mind that parks are a necessity. The beauty they lend to the city and the great good to the people, especially the poor, emphasizes the fact that the aesthetic and philanthropic benefits of the parks are inestimable.

Pro bono publico.

The usual number of trees and shrubs have been planted in accordance with the adopted plan of the board to yearly add a certain amount of ornamentation of that description. A shelter and public comfort building should be provided on this park. No more urgent necessity

exists here. Frequently visitors, and in particular children, are drenched by sudden and unexected showers, as there is no suitable building in which to seek shelter.

Among the requirements of this park may also be mentioned a pond and playfield. The land on the north side of the park should be, and I have no hesitation in most emphatically suggesting and urging the importance of making a pond, and also of grading and making the balance of the field to the west of the pond suitable for all kinds of games and athletic sports. No better investment or outlay for this park can be made, and the wishes of the thousands who enjoy and engage in such sports should be favorably considered. Encouragement should be given to such projects, as they are important factors and essential features in the scheme of park development and provide the utmost satisfaction to a very large proportion of our people, especially the operatives in our mills who resort there Saturday afternoons—the only opportunity they have during the week—and enjoy greatly healthful and rational recreation.

A much needed addition to the necessities and actual requirements of the park was provided this season by placing in the grove two Jenks' fountains, with four outlets and eight drinking cups each, which will promote and administer largely to the comfort of the throngs of people who congregate there.

A pair of beautiful white swan and a pair of elk have been added to the zoological collection, which now consists of the following:

6 deer	35 pigeons
2 elk	4 pea fowl
12 rabbits	4 monkeys
2 guinea pigs	1 babboon
40 Ducks	2 raccoons
3 pheasants	5 alligators

Around the pond has been placed an ornamental iron fence, and a pretty little bridge connecting the island in

the pond, the whole adding very much to the picturesqueness of that part of the park.

The band concerts during the summer attracted large crowds, and the pleasing concerts have been enjoyed by a largely increasing number of people each season. I earnestly recommend more concerts being given during the week day afternoons, for I doubt not that hundreds of families and parties would avail themselves of the opportunity of enjoying a picnic outing and at the same time listening to the delightful music. A count of visitors on the afternoon of June 23d last was: Carriages, 248; bicycles, 807; people, 7,142. On the Sunday previous it was estimated that 12,000 people were at the park enjoying the music and the beautiful surroundings. It would seem to indicate that music and the beauties of Brooklawn are a guarantee to the wisdom of the city in providing parks and wholesome attractions upon them for the benefit of its citizens. Among the most popular attractions added to the park were the twenty-five lawn swings placed under the trees in the orchard, where the little folks enjoyed one of the greatest pleasures of childhood, all elements of danger being removed which are so common to all styles of rope swings. Many more might be provided with the assurance of continual use throughout the entire season.

All the park property was properly cared for and received the best attention, so that at all times the park presented a neat and pleasing appearance. The working force of the park are all old and trusty employes, who seem to have the interest of the department at heart and are worthy of all the consideration they receive.

Area—91 acres, 146.06 rods.

BUTTONWOOD PARK.

The labor performed upon this park was about the same and of similar nature as in previous years, mostly

in properly caring for the grounds. The addition of plants, shrubs and flower beds, which are features new to this park, greatly changed its appearance. The band concerts were a very pleasing part of the summer attractions, and were enjoyed by more people than ever before visited the park on Sunday afternoons. In this, as in the other parks of the city, a great many improvements could be made, and some should be. The playfield, while it is used extensively, and is a favorite place for those who engage in and enjoy athletic sports, is far from being in proper condition and should be improved. A small house for storage of tools and food for animals has been built and proved a great convenience, its want having been seriously felt for some time. The first floor is now used for the exhibition of some very fine Belgian hares.

During the winter, when the pond was in condition, the skaters made merry, and thousands of all ages improved the opportunity and took advantage of the healthful exercise, and seemed to fully appreciate the thoughtful arrangements made by the Park Commission for their comfort and safety. All improvements or changes that have ever been made on this park have been made with the view of not interfering with the general plan of Messrs. Olmstead, Olmstead & Eliot, who in 1895 made a preliminary report and submitted a plan, which, if ever adopted and carried out, would unquestionably make a beautiful park and one which any city could well be proud of. The plan and report constitute a part of this report, so that the citizens generally can understand what the celebrated landscape artists consider the possibilities of Buttonwood. At present the most urgent need of the park is decent approaches, and until the City puts Chepatchet lane and Court street in better condition, Buttonwood will be sadly handicapped and will not have the throng of visitors that would gladly go there if the conditions were such as they should be leading to a park

so central and capable of offering such pleasing attractions and rural beauties. The "zoo" collection continues to be attractive and consists of the following:

12 deer	5 foxes
7 monkeys	75 Belgian hares
3 bears	14 Angora rabbits
2 hawks	2 owls
3 coons	7 gray squirrels
65 ducks	12 geese
20 white rats	7 guinea hens
2 prairie dogs	

Presented to the park this year was: One monkey, by Mr. Mosher of Rockland street; one owl, by Mr. Chase of Westport; three Belgian hares, by Master Ray Taber; one Belgian hare, by Mr. John H. Aldrich.

Area—62 acres, 58.74 rods.

OLMSTEAD, OLMSTEAD & ELIOT,

LANDSCAPE ARCHITECTS.

BROOKLINE, MASS., Feb. 26, 1895.

To the Chairman of the Park Commission, New Bedford, Mass.:

SIR:—We beg leave to submit the following preliminary report concerning the proposed park at Buttonwood Brook.

The boundaries of the land at present owned by the city, as they are shown upon the map sent us by your engineer, are obviously too contracted and irregular. For instance, the boundary as it now lies runs through a part of the existing ice pond. In order to enable the city to derive the desired benefit from a park to be situated in this valley, it seems to us most necessary that the boundary of the tract to be devoted to park purposes should be extended so as to touch Hawthorn street on the south, and Kempton street on the north. On the west also the proposed location of Brownell avenue lies so near the pond that we must urge the re-location of this street and the extension of the park accordingly. The accompanying sketch plan is, therefore, based upon the assumption that the new park may be bounded by the four streets called Rockdale, Brownell, Kempton and Hawthorn.

We have, from the first, been informed that the principal object had in view in securing this particular tract of land for a park was the provision of boating and

skating on a pond to be formed in the valley. We believe that we warned the commission at the time of our first visit that the brook, in our opinion, was incapable of furnishing a supply of water sufficient to warrant any attempt to make a pond. The water-shed of the brook above the park is too small to furnish a sufficient supply. Assuming, however, that it is still the wish of the commission to create a pond, we have drawn our preliminary plan accordingly, taking it for granted that the commission will obtain a supply of water from some source. It occurs to us that it might be possible to make an arrangement with one of the mills in Dartmouth on the course of the stream next west of Buttonwood brook, by which the water could be pumped from this stream to the summit of the ridge between the valleys, from which point it would flow down to Buttonwood brook, and so feed the pond. It might even be possible for the commissioners to set up a pump of their own, say at a point where the railroad to Fall River crosses the stream just mentioned.

Thus for present purposes we have assumed that an ample water supply can be had, and we have accordingly shown upon the plan a pond some twenty acres in area, the surface of which would be at an elevation slightly above that of the present ice pond, namely at grade 93. This pond has been made the central feature of our design. Its shores will be irregular, in places consisting of gentle beaches, and in other parts of banks of trees and shrubbery. An encircling foot-path will pass from beach to beach, behind and among the trees. At the southern end of the pond this foot-path will pass over the concealed dam by which the water will be retained in the pond. For the sake of certain picturesque effect, the inlet and outlet will both be made somewhat tortuous. Beside a cove on the east shore of the pond it is designed to place a substantial building, which will serve as the

central rendezvous for all who visit the park. In winter this will be the skating house, where skates can be kept in lockers, where also hot drinks may perhaps be obtainable. In summer the same building will be the boating house, the boats being drawn up upon beaches or landings extending from the house to right and left. The southern quarter of the park, lying south of the house, can be easily transformed into a fairly level ball field, and those who use the field may also use this house for the storage of their bats and balls. East of the house the broad field-like land, which is easily attainable, may well serve as tennis lawns. Close to the house, upon this side, a playground for smaller children may be provided if it is deemed advisable; here might be placed swings and other apparatus. This ground should, of course, be separated by planting from the broader open fields.

Turning now to the outer portions of the park, the plan suggests that one principal entrance should be placed near the top of the slight hill in Kempton street. Here will be the electric cars, and here a driveway and two walks can be opened into the park in such a way as to present to visitors, as soon as they have entered, a particularly fine view of the whole park. By careful planting of trees in the great field and by the shores of the pond, several pleasing vistas can be arranged and preserved. One view from this hill will extend the whole length of the open lawn down to the end of the ball field. Another pleasing vista will be laid along a line passing just west of the boating house and extending to the little bridge by which a path will cross the outlet of the pond.

From the top of this hill the one circuit driveway of the park will descend to the right and left. Passing along the outer edges of the open fields it will skirt the western bank of the pond, where it will be bordered generally by woods. This circuit drive has, of course, been

arranged to afford the most extended and the most agreeable views which it is possible to obtain within the proposed limits of the park. It is important that those who will use this drive, as well as the foot-paths of the park, should, so far as may be possible, be removed from the noise and sights of the town, and accordingly the plan proposes a somewhat dense mass of trees and shrubbery between the circuit road and the bordering streets. The great fields or meadows which lie within this frame of verdure, as well as within the circuit of the pleasant drive, will be most pleasing and most impressive if they can be kept open and uncut by numerous paths. Upon the plan the number of cross-paths has, therefore, been reduced as much as seems possible, those that are shown being such as seem to be absolutely necessary in order to afford access to the boating and skating house from the entrances of the park.

It is to be hoped that the broad, open fields may be well prepared to produce a close turf, and it will probably be advisable to rely upon pasturing by sheep for keeping this turf in good condition. Sheep are used for this purpose in Central Park, New York; Franklin Park, Boston; and in all English parks.

In the extreme northwest corner of the public domain the plan accordingly provides a place for a sheep-fold and sheds, as well as for a yard and stable in which the carts, watering-carts and other tools required for the maintenance of the park may be stored. Here also may eventually be built a house for the use of the head keeper.

You will notice that the plan suggests the widening of Kempton street and the construction all about the park of sidewalks, having rows of trees planted in a grass strip of reasonable width. Many other details of the plan might be mentioned, but enough has probably been said for present purposes.

It might be well for us to point out again that this preliminary sketch is based upon three assumptions. First, that the boundary of the park may be extended to Kempton and Hawthorn streets. Second, that the location of Brownell avenue may be shifted to a line parallel with the city boundary, and one hundred and fifty feet distant therefrom. Third, that an ample supply of water can be obtained. We shall hope to hear from the commission that all these assumptions may become realized as facts. We shall wait to hear from you before we proceed further in the study of the park.

Respectfully,

OLMSTEAD, OLMSTEAD & ELIOT.

COMMON.

The flower beds and lawns of the Common have been greatly improved and beautified during the past season, and as a place of pleasure and pure delight the multitudes who visit it and enjoy the lovely flowers and well kept grass attest. The Common cannot be classed in the same rank as the other parks of the city. It is one of a distinct class of public grounds which should be found in every city, and is found in most cities—a public garden. It is more extensive and varied in its appearance than a public square, yet too small to supply that sylvan retreat and rural retirement to be found in the larger reservations for park purposes. It has its place in the general plan of the civic beauty of the city, is prized by the people, and its charm and beauty are never lost upon the people who visit it to enjoy the beautiful flowers.

Some appropriate planting of shrubbery and trees has been done, and a number of new flower beds put in during the season. It has been the study of the Park Board to make the Common an ideal place of beauty, by making such a succession of changes of flowers during the season that at no time will it be devoid of beautiful blooming plants. From early spring until late in the fall the beauty of lovely flowers has added color, variety and that softening influence which nature's beauties so much contribute to calm the nerves and soothe the spirit. It also suggests to the minds of the people that the locations of parks, gardens, artistic and aesthetic advantages for public usefulness need not be necessarily located on the outskirts, but should be located and cultivated amid the crowded districts of the city. They will prove a powerful assistance in cultivating a refining influence in making our city wiser, fairer and more beautiful, for it should be the aim of every one who loves his city to do something towards making it beautiful. All property belonging to the Common is in good condition and has been properly cared for.

The elm leaf beetle committed some ravages among the trees of this park. The pest first appeared in June, 1900, apparently coming from the south, and steadily working its way to the north part of the city, did more or less damage to the elm trees in its path. The centre of the city suffered the most, as a large number of the English elms were completely stripped of their foliage or their leaves skeletonized, although they paid some attention to all the elms. They were first noticed on this park early in June, the small larvæ feeding on the foliage. Having no large force pump, ladders were used from which the men could spray the leaves with a hand syringe, using a Paris green solution. Branches that could not be effectively sprayed were cut off, if they did not injure the beauty of the trees. These branches were

placed in a solution of kerosene and the larvæ destroyed. Later, when the larvæ that escaped the spraying descended the tree, they were treated to an emulsion of kerosene and carbolic acid twice or four times a day, using this mixture on the trunk only.

A person passing through the Common could have hardly noticed the presence of the insect without closely examining the trees, when they would have discovered the slight damage to the foliage and a burned appearance of the ground around the trunks of the trees. The pest was kept in check fairly well, and although we expect to see it again the coming season, we feel that we are prepared to keep its ravages within a very limited space, and prevent to a large extent what might have proved disastrous to the Common had not strenuous efforts been made to prevent it. The mature insect resembles the striped cucumber-beetle in size and markings. The larvæ is long, slender and yellowish-black. It has a yellow band extending along the back and sides. The pest is most active from May till August, eating the soft tissues of the leaf, but not the veins. There are three or four broods.

Treatment—The arsenites should be used when possible, spraying the tree thoroughly. When large trees are attacked, the insect may be destroyed by pouring hot water into all crevices and cracks about the base of the tree and in the immediate neighborhood. The insects propagate at the surface of the ground wherever slight shelter can be found. Kerosene emulsion applied in the same manner will also prove effective to their destruction. Kerosene emulsion is made of hard soap, kerosene and boiling soft water.

Area—7 acres, 69.56 rods.

HAZELWOOD PARK.

The Common Council on July 18, 1891, passed the following order:

Ordered, That the sum of twenty-eight thousand dollars be and the same is hereby appropriated and placed to the credit of the Park Commission, to be expended by said commission in acquiring certain lands and buildings located on Clarks Point and known as the Howland-Lucas-Oesting property, for public park purposes.

Ordered, That to provide for said appropriation registered bonds of the City of New Bedford, of the denomination of one thousand dollars or multiples thereof, to the amount of twenty-eight thousand dollars, be issued under the authority granted by Chapter 140 of the Acts of 1898; said bonds to bear interest at the rate of three and one-half per centum per annum, payable semi-annually on the first days of January and July; principal and interest payable in gold if demanded; said bonds to mature in fifty years from July 1, 1901. The receipts from the sale of said bonds to the amount of twenty-eight thousand dollars to be applied to the payment for said lands and buildings.

Ordered, That the sum of three hundred dollars be appropriated annually by the City Council for payment of the aforesaid bonds at maturity; said annual appropriation to be placed to the credit of the Sinking Fund Commissioners for said purpose.

July 23, 1901. Adopted in concurrence.
Common Council—Yeas, 16; nays, 8.
Board of Aldermen—Yeas, 4; nays, 1.
Presented and approved by the Mayor, July 24, 1901.

A true copy. Attest:

D. B. LEONARD,
City Clerk.

At a meeting of the Board of Park Commissioners held November 19, 1901, the following communication was received from the City Treasurer:

Park Commission, City of New Bedford, Mass.

GENTLEMEN: — The deeds for the land purchased by the City of New Bedford for "park purposes" in the south part of the city, by authority of an order of the City Council of July 18, 1901, and approved by the Mayor the 24th of the same month, have been prepared in legal form, presented to the City and payment made to the former owners of the land.

Yours truly,

[Signed] JAMES H. HATHAWAY,
City Treasurer.

At the same meeting the following vote was passed by the Park Board:

Voted, That the Howland-Lucas-Oesting land purchased by the City for "park purposes" be named and known hereafter as Hazelwood Park.

The season being so late when the property was acquired, nothing has been done towards improvements or changes, and therefore I have nothing to report in relation to it.

Area—28 acres.

GROVE PARK.

The only attention paid to this park was the placing of twenty-five park settees, but I would suggest that it be curbed, properly graded and sown, and an attempt made to keep it in respectable condition for a playground. Although heretofore all attempts of the

Commission to improve it has met with scant consideration, yet I can but think if it was put in a more presentable condition it might appeal more strongly to the better judgment of the community in that vicinity and the efforts of the Board more fairly respected. It is worth trying.

Area—149.32 rods.

TRIANGLE PARK.

This park is the smallest piece of property in the control of the Park Board. It is located at the intersection of Ward, Harrison and Clay streets. Trees, shrubs, flower beds and a well kept lawn make it a very attractive spot, and it adds very much to the appearance of the neighborhood and is highly appreciated by the residents of that vicinity. It would improve the looks of the city very much if many more triangles were located in different sections.

Area—25.86 rods.

Respectfully submitted,

THOMAS W. COOK,
General Superintendent.

Financial Report.

NEW BEDFORD, Dec. 31, 1901.

To the Board of Park Commissioners:

GENTLEMEN:—I have the honor to submit the eighth annual report of the receipts and expenditures of the department of parks for the year ending December.

STATEMENT OF PARK EXPENDITURES.

COMPARATIVE STATEMENT.	
1892,	$77,936.87
1893,	5,734.79
1894,	24,458.95
1895,	21,321.17
1896,	10,054.26
1897,	14,834.89
1898,	20,620.70
1899,	18,879.33
1900,	20,581.53
1901,	51,011.63
	$265,434.12

ITEMIZED STATEMENT. 1892–1901	
Buttonwood Park,	$85,032.26
Brooklawn,	86,772.20
Common,	37,089.53
Marine,	8,546.16
City Hall,	615.25
Triangle,	860.87
Grove,	9,458.28
Pine,	632.58
Hazelwood,	28,000.00
Office,	8,426.99
	$265,434.12

FINANCIAL STATEMENT FOR THE YEAR 1901.

DR.		CR.	
Buttonwood Park,	$8,043.61	Appropriations,	$51,000.00
Brooklawn "	7,301.15	Credits,	44.07
Common,	5,443.62		
Triangle "	50.00		
Grove "	7.75		
Hazelwood "	28,000.00		
Office,	2,165.50		
Unexpended,	32.44		
	$51,044 07		$51,044.07

MAINTENANCE OF BUTTONWOOD PARK.

Asst. superintendent,	$728.00	Net expenditure,	$8,043.61
Police,	721.80		
Labor,	2,836.22		
Animal supplies,	646.23		
Light,	195.64		
General supplies and expense,	269.54		
Improvements,	2,505.49		
New animals,	60.00		
Tools,	13.40		
Seeds, plants, etc.	67.29		
	$8,043.61		$8,043.61

MAINTENANCE OF BROOKLAWN PARK.

Ass't superintendent,	$897.36	Net expenditure,	$7,257.08
Police,	815.50	Credits,	44.07
Labor,	3,422.80		
Animal supplies,	306.52		
New animals,	50.00		
General supplies and expense,	195.43		
Improvements,	1,009.49		
Tools,	44.80		
Trees, shrubs, etc.,	295.12		
Dressing,	264.13		
	$7,301.15		$7,301.15

MAINTENANCE OF COMMON.

Ass't superintendent,	$836.50	Net expenditure,	$5,443.62
Police,	642.41		
Labor,	2,148.52		
Light,	242.40		
Supplies and expense,	268.60		
Rent,	300.00		
Snow plow,	27.50		
Improvements,	308.77		
Seeds, plants, shrubs,	458.77		
Dressing,	210.15		
	$5,443.62		$5,443.62

MAINTENANCE OF TRIANGLE PARK.

Care of flower beds,	$50.00	Net expenditure,	$50.00

MAINTENANCE OF GROVE PARK.

Expense,	$7.75	Net expenditure,	$7.75

MAINTENANCE OF HAZELWOOD PARK.

Purchase of Howland, Lucas, Oesting property,	$28,000.00	Net expenditure,	$28,000.00

OFFICE EXPENSES AND MISCELLANEOUS.

Superintendent and clerk,	$1,168.34	Net expenditure,	$2,165.50
General expense,	241.74		
Travelling expense,	17.87		
Stationery, printing, reports, etc.,	487.55		
Rent,	250.00		
	$2,165.50		$2,165.50

MONTHLY EXPENDITURES.

1990.			
Dec.,	labor and supplies,		$978.45
1901.			
Jan.,	labor and supplies,		$1,433.14
Feb.,	"	"	1,100.97
March,	"	"	1,176.40
April,	"	"	1,570.11
May,	"	"	2,229.98
June,	"	"	3,613.22
July,	"	"	2,255.45
Aug.,	"	"	2,082.16
Sept.,	"	"	1,793.30
Oct.,	"	"	1,677.47
Nov.,	"	"	2,876.05
Dec.,	"	"	224.93
			$23,011.63
Purchase of Hazelwood park,			28,000.00
			$51,011.63

LABOR AND SALARY PAY ROLL FOR THE YEAR.

1900.		
Dec.,	Pay Roll, 1-2-3,	$676.30
1901.		
Jan.,	Pay Roll, 4-5-6-7,	718.90
Feb.,	" 8-9-10-11,	705.31
March,	" 12-13-14-15-16,	896.38
April,	" 17-18-19-20,	835.11
May,	" 21-22-23-24-25,	1,730.34
June,	" 26-27-28-29,	1,548.46
July,	" 30-31-32-33,	1,683.32
Aug.,	" 34-35-36-37-38,	1,532.40
Sept.,	" 39-40-41-42,	1,223.92
Oct.,	" 43-44.45-46,	898.77
Nov.,	" 47-48-49-50-51,	1,543.31
Dec.,	" 52,	224.93
		$14,217.45

Respectfully submitted,

THOMAS W. COOK, Clerk.

In Board of Aldermen,
March 13, 1902.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

In Common Council,
March 13, 1902.

Concurred.

W. H. B. REMINGTON, Clerk.

1902 — CITY DOCUMENT No. 15.

Seventh Annual Report

OF THE

BOARD OF CEMETERY COMMISSIONERS

NEW BEDFORD, MASS.

For the Year Ending December 3, 1901.

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, CITY PRINTERS.
1902.

THE NEW BEDFORD CEMETERIES.

OAK GROVE. RURAL. PINE GROVE.
GRIFFIN STREET.

BOARD OF CEMETERY COMMISSIONERS.

JOHN G. NICHOLSON, Chairman.
CHARLES H. VINAL, Secretary.
JAMES DELANO (Deceased July 7, 1901).

LOCATION OF CEMETERIES.

RURAL—Dartmouth Street.
OAK GROVE—Parker Street.
PINE GROVE—Tarkiln Hill Road.
GRIFFIN STREET—Cor. Second Street and Morgan's Lane.

CITY OFFICE,

MERCHANTS BANK BUILDING, ROOM No. 304.

CLERK OF BOARD,

PARDON A. MACOMBER.

ASSISTANT,

MISS IVAH M. HUNT.

SUPERINTENDENT,

CHARLES F. CORNELL.

SEXTONS,

Oak Grove—Hurlbert E. Thomas.

Rural—Nelson L. Pike. Pine Grove—John F. Gifford.

Griffin Street—Closed.

The cemeteries are open daily from March 31st to October 1st until 7.30 p. m., and during the remaining months until sunset.

Maps and plans of lots can be seen and all information can be obtained at the city office or at the cemeteries.

CITY OF NEW BEDFORD.

OFFICE OF THE CEMETERY BOARD.

NEW BEDFORD, MASS.,
December 4, 1901.

To the Honorable City Council:

GENTLEMEN: — The Board of Cemetery Commissioners respectfully submits its Seventh Annual Report, the same being for the year ending Dec. 4, 1901.

PROGRESS IN CEMETERY WORK.

A retrospect of the progress in cemetery improvement is appreciated at this time. On the question of public sentiment, one can very well be surprised at its growth in favor of better care the past few years. Only ten years ago it may be said that to get lot owners interested in the Cemetery beyond their own personal interest was a difficult task, but the persistent work of those of progressive spirit has changed this condition until we find few localities of common enlightenment, where the desire for better conditions in the local burying ground is strongly manifest.

While the Lawn Plan system is being closely followed in the new extensions, the older portions of our cemeteries have been much improved by the removal of fences, hedges and railings, and the substitution of grass walks for those of other materials, and the planting of shrubbery and flowering trees, so that a wonderful improvement is shown in the whole area of the grounds.

The following Superintendent's Report to the Board gives a general account of the work accomplished during the year.

Superintendent's Report.

To the Board of Cemetery Commissioners:

GENTLEMEN: — I have the honor to submit a report of the work accomplished by your direction in the Department of Cemeteries during the year 1901.

A very important part of the labor during the past year has been devoted to embellishing the grounds. The season has been especially favorable for this work. The rapid growth of the grass, the attractive shrubbery, the many beds of flowers, the trees and avenues have all contributed to a wonderful improvement in our cemeteries. Never before has the appearance been more attractive, and the general features of these beautiful surroundings create quiet effects and make the cemeteries truly resting places.

Several new sections have been prepared. Spaces are always reserved in these for the planting of new trees and shrubs, with an occasional portion prepared for flower beds. With these features of embellishment and the system of Lawn Plan being closely followed, all our new sections are made desirable and many lots have been sold from them.

Early in the spring your honorable board made an earnest appeal, in behalf of the lot owners, to the Board of Public Works, that a concrete sidewalk be laid from Shawmut avenue to the entrance of Oak Grove cemetery, and I am pleased to report that almost the first work

completed by the street department was the laying of over 1,000 feet of this walk, to the gratification of thousands of people who have visited those grounds during the season.

In Oak Grove cemetery much has been accomplished in the way of permanent improvement. The old dwelling house on the new portion of these grounds has been sold and moved away. One and one-half acres of land on the north boundary has been laid out and constructed into sections and avenues, in accordance with plans prepared by City Engineer W. F. Williams, of which the Lawn Plan is the special feature. The tool-house, which has occupied a prominent site near the greenhouses, has been moved to the west boundary of the cemetery. The space occupied by this building will be annexed to the park portion of this cemetery, which is the attractive feature as you enter these grounds.

On the third of July a severe electrical storm passed over the city, the clouds rising from two directions, causing a whirlwind of cyclonic character which swept across Rural cemetery, resulting in great damage to these grounds. Monuments and headstones were overthrown and damaged beyond repair. In the old portion of the cemetery many of the large and valuable trees were uprooted; branches were twisted off and scattered throughout the grounds; and many of the avenues were blocked by fallen trees. On the park, a beautiful catalpa tree, standing in front of the new receiving tomb, was twisted off at its roots. This tree was particularly a valuable figure in the cemetery.

Many of the avenues were undermined and badly washed.

It was unfortunate that this great amount of damage should occur at this season of the year, the balance of funds then standing to the credit of cemeteries being desired to complete new sections of lots then in process

of construction. The Cemetery Board, however, ordered an immediate survey of the wreck of the storm; all the available help was summoned and set to work clearing away the debris, and in a few weeks nearly all traces of the damage were removed.

The City Council, at a special meeting, granted a special appropriation of $5,000.00 to repair the damage caused by the storm.

The following is a summary of the damage: Two monuments overturned; forty headstones blown from foundations; twenty-two trees uprooted; fourteen avenues damaged by washouts; several iron fences broken and otherwise damaged by falling trees; the flag-pole on the Soldiers' and Sailors' lot was broken off at the base. Much of the beautiful shrubbery was injured, and nearly all the lots required raking and cleaning.

PINE GROVE CEMETERY.

While but little money has been spent during the year for extensive improvement, the usual care and repair has been given the avenues and lots. Every effort has been made to keep these grounds in a neat and tidy condition. A number of trees and shrubs were planted along the avenues, and several new flower beds have been made and supplied with plants from the greenhouse in Oak Grove cemetery.

The matter of improving the approach to Pine Grove cemetery is still a problem to the cemetery officials. The only approach to these grounds is Pine Grove street. This is an accepted street of the city, and is not within the province of the Cemetery Department to improve. Tall weeds, at times, obstruct the sidewalks, and at certain seasons of the year the road is deep with mud. Since the destruction of the ice-house by fire, the street has been strewn with burned timbers

and debris from the same. I would recommend to the board that available land adjacent to this cemetery be purchased, and an approach provided, entirely under the control of the Cemetery Department. Many complaints have been received from visitors to this cemetery relative to the poor condition of this approach.

GRIFFIN STREET.

But little is required to keep this cemetery up to its present character. The grass is frequently cut, and each year the grounds are embellished with beds of flowers and plants, much to the satisfaction of the surrounding neighborhood.

The following is a synopsis of the work for the season of 1901:

Avenues constructed—
- Rural 530 feet
- Oak Grove 305 feet

Avenues repaired—
- Rural 9860 feet
- Oak Grove 765 feet

Drains laid—
- Oak Grove 556 feet

Number of lots prepared for sale—
- Rural 95
- Oak Grove 9 (one acre and one-half nearly completed).

Number of lots cared for—
- Rural 806
- Oak Grove 671
- Pine Grove 49

Increase over 1900—
Oak Grove 7
Pine Grove 2

Decrease from 1900—
Rural 7 (occasioned by holders placing their lots in perpetual care)

Number of neglected lots refitted—
Rural 4

Number of neglected graves refitted—
Rural 20
Oak Grove 48

Neglected headstones refitted—
Rural 25
Oak Grove 11

Hedges and fences condemned and removed—
Rural 3
Oak Grove 4

Trees removed—
Rural 30
Oak Grove 9

Trees and shrubs added during the year—
Rural 135
Oak Grove 75

Number of lots sold—
Rural 37
Oak Grove 26
Pine Grove 6

Number of single graves sold—
Rural 32
Oak Grove 51

Number of interments—
Rural 332
Oak Grove 256

Friends cemetery 3
Pine Grove 13

Number of bodies disinterred during the year—
Rural 44
Oak Grove 18
Pine Grove 1

Number of bodies entombed—
Rural 26
Oak Grove 29
Pine Grove 5

Removals to other cemeteries—
Rural 2
Oak Grove 15
Pine Grove 1

Foundations for headstones—
Rural 154
Oak Grove 103
Pine Grove 12
Friends 3

Foundations for monuments—
Rural 10
Oak Grove 9
Pine Grove 2

Foundations rebuilt—
Rural 0
Oak Grove 21
Pine Grove 2

Number of men employed—
Rural 29
Oak Grove 20
Pine Grove 2

Number of teams—
Rural 2
Oak Grove 2

Total number of interments—
Rural 10,427
Oak Grove 10,640
Pine Grove 472

In studying to improve and beautify our grounds we must not overlook ourselves—the sextons are cautioned against carelessness; that their positions are those of great responsibility. Our lot owners place confidence in us, and we should seek to give them in return courtesy, kindness and patience. We are to meet those bowed down in sorrow, and they are in no state of mind to be met with abruptness.

Respectfully submitted,

CHARLES F. CORNELL,
Superintendent.

It is our sad duty to record the death of Mr. James Delano, the senior member of the board, on July 7th, 1901. At a special meeting, July 10th, the following resolutions were adopted:

Whereas, Death has taken from our number, James Delano, who has served on this board for a period of over six years;

Resolved, That we bear witness to his efficiency and fidelity in the work given him to do, and also to his unfailing kindness and courtesy in his relations to his fellow members.

The members of this board will always recall with pleasure their association with him, and bear tribute to his integrity of character.

Resolved, That these minutes shall be spread upon the records of the board, and that a copy of the same be sent to the family as expressing our sympathy with them in their loss.

PERPETUAL CARE.

Many persons in selecting a lot in the cemetery fail to realize the importance of the Permanent Fund, as an insurance against decay and neglect which some day, without doubt, overtakes cemeteries not thus protected. The rules of this department allow any sum not to exceed $500 to be deposited with the City Treasurer, and it shall be the province of the board to determine what amount will be sufficient, the interest of which can only be expended for the care and improvement of the lots. Forty-four lots have been added to the perpetual care list, and the cemetery fund has been increased by $5,702.00, making the total sum of $66,731.15 on deposit for this purpose. At the present time it appears that this feature is very generally recognized, and it is very satisfactory to note that there is a growing interest manifested in the perpetual care of cemeteries.

ADVANTAGE OF SECURING LOTS IN ADVANCE OF NEED.

In times of bereavement it is a great relief to the survivors to have a place of burial already secured. Attention is called to the desirability of the selection of lots grouped together by related families before the sale of adjoining lots renders this impossible.

It is painful for part of a family to be compelled to locate elsewhere, and as the purchase of a lot should be an expense incurred but once in the history of a family, it is well to look forward to the probable future require-

ments, and with the advantage of the present moderate prices, secure a lot large enough for future needs.

GREENHOUSES.

It is unnecessary to go into extended detail as to the many advantages, and to what extent the greenhouses have contributed to beautifying and embellishing the several cemeteries of our city. A visit to the grounds during the season of flowers fully establishes the fact that they have been valuable auxiliaries. Many large beds of flowers and plants have been maintained, and new and beautiful designs have been tastefully arranged on the lawns and park portions of the cemeteries. The success of this venture has warranted increased facilities in this line. An additional greenhouse has been constructed, the potting house has been enlarged, and all necessary equipment supplied. With these improved facilities, greater display can be made of the beautiful flowers another season, and thus rob the cemetery of much gloom.

By the death of its honored member, Mr. James Delano, the remaining members have realized the responsibility of additional duties in this department, not only the sacredness of its care, but also the many perplexing situations which arise from day to day, as to lot-holders' rights and privileges.

We are entrusted with the remains of those dearly loved, and feel no effort should be spared in keeping accurate records of interments and the enforcement of a system which is absolutely correct in all detail.

We have endeavored to see that the rights of all, whether lot-holders or those interested in a more humble way, are protected, and that the city does what it can fairly be expected to do in every instance.

We believe every one interested in the department has had fair and impartial treatment, and that the department has received at our hands such attention as its importance properly deserves.

Respectfully submitted,

JOHN G. NICHOLSON, Chairman.
CHARLES H. VINAL, Secretary.

SPECIAL NOTICE TO GARDENERS.

Gardeners must immediately remove all rubbish taken from lots to such places of deposit as are provided for the purpose. They must not dump any material on the avenues or paths.

Any person who shall violate the above rule will be excluded from the grounds, and will not be permitted to work there.

Soliciting work in the cemeteries by gardeners, or placing business cards upon lots, is prohibited.

FINANCIAL REPORT.

STATEMENT OF RECEIPTS AND EXPENDITURES.

Dr.

Balance old account, 1900	$940.59
Annual appropriation, 1901	12,000 00
Special appropriation, 1901	5,000.00
Receipts labor perpetual care lots, 1900	2,339.35
Receipts labor on lots to Dec. 15th	8,657.64
	$28,937.58

Cr.

By transfer to unappropriated fund (see Auditor's Report, balance old account)	$940.59
Expenditures, general	27,830.18
Balance to new account	166.81
	$28,937.58
Balance to new account	$166.81

RECEIPTS AND EXPENDITURES.

SALE OF LOTS.

Dr.

Balance, old account	$630.16
Receipts to Dec. 17th, lots sold	4,182.00
	$4,812.16

Cr.

Expenditures, improvement and embellishment	$4,572.36
Balance to new account	239.80
	$4,812.16

CLASSIFIED STATEMENT OF EXPENDITURES.

RURAL CEMETERY.

General labor account	$5,266.74	
Extensions, new sections and avenues	2,464.39	
Distribution	2,369.89	
Dressing	557.00	
Supplies (general)	786.39	
Tools	213.04	$11,657.45

OAK GROVE CEMETERY.

General labor account	$3,321.00	
Greenhouse, labor and maintenance	1,916.36	
New Greenhouse (construction)	455.07	
Distribution	1,288.07	
Extensions, new sections and avenues	2,010.66	
Supplies	619.71	
Dressing	269.07	
Tools	133.30	$10,013.25

PINE GROVE CEMETERY.

General labor account	$631.98	
Dressing	33.30	$665.28

GRIFFIN STREET CEMETERY.

General labor account	$31.01
Express wagon	150.00
Salary, superintendent	1,200.00
Salaries, sextons	1,440.00
Salary of clerk	939.00
Salary of assistant clerk	259.50
Rents	300.00
General office expense	361.15
Office furniture and supplies	813.54
Balance to unappropriated fund, 1900	940.59
Unexpended	166.81
	$28,937.58

IN BOARD OF ALDERMEN,
Jan. 23, 1902.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,
Jan. 23, 1902.

Concurred.

W. H. B. REMINGTON, Clerk.

1902 — CITY DOCUMENT No. 16.

ANNUAL REPORT

OF THE

INSPECTOR OF MILK,

PROVISIONS AND ANIMALS

OF THE

CITY OF NEW BEDFORD

For the Year Ending December 31, 1901.

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, CITY PRINTERS.
1902.

REPORT

OF THE

Inspector of Milk, Provisions and Animals.

NEW BEDFORD, MASS.,
Dec. 31, 1901.

To His Honor the Mayor, the Board of Aldermen and City Council of the City of New Bedford:

GENTLEMEN: — The report of this office is herewith respectfully submitted.

The main question occupying this office is the procuring for the citizens of New Bedford, pure, unadulterated, wholesome, standard quality milk and provisions. There is no person who realizes the value of pure milk, both as regards its food value and as a protection against disease, more than the inspector, and I have made it a duty to procure this end by whatever methods, provided they be honest and legitimate, that in my own experience, and that of others who know the value of what they suggest, seem under the circumstances the most promising, and it is a fact that New Bedford's milk supply is not second to any in the State.

The inspector's office, at 137 Pleasant street, is open during business hours every day, and is visited by the public in all matters relating to the questions of milk, provisions and animals, such as bringing samples of milk and provisions for inspection and investigation, and making inquiries and complaints on various matters. All such complaints have been cheerfully and thoroughly investigated to the perfect satisfaction of all parties interested.

No person need be in doubt about the purity of their milk supply, or the quality of meat, poultry, fish or provisions of any sort, when a visit to this office, provided by law for the use of the public, will give all the needed information and assistance.

The quantity of milk brought into the city averages about twenty-seven thousand quarts per day, and I have not found a sample of milk out of over nine hundred examined that was below the standard required by law.

It is my duty to make an inspection of all cattle owned within the city limits, and ascertain their condition as to the existence of contagious diseases, and the general condition and cleanliness of said cattle. Also to minutely examine the barns, stables or other enclosures in which cattle are kept, with reference to their situation, cleanliness, light, ventilation and water supply, all of which I make out a detailed report with names, etc., etc., to the Board of Cattle Commissioners, which is embodied in their annual report to the Legislature, and the cattle and their abodes are in better condition than ever before.

I have caused to be killed during the year 18 tuberculous cows and seven glandered horses, and proved my diagnosis by post-mortem examination. This is the largest number of animals suffering with contagious diseases ever killed in one year since the city was incorporated, and when your honorable body takes into

consideration the fact that both of the above-named diseases are conveyed into the human family by contagion and infection, and always fatal, I have no doubt of your being satisfied that much good has been accomplished.

I have also quarantined all sick and debilitated animals coming under my notice during the year.

I inspect the slaughter of all animals killed for food purposes within the city limits, and condemn all that are diseased. I have also condemned and destroyed large quantities of meat, vegetables and fruit as being unfit for food purposes.

There is a new law which specifies that all animals slaughtered for food purposes, that are not condemned at the time of slaughter, shall be stamped, and whoever sells, or offers for sale, or has in his possession with intent to sell, a carcass which has not been stamped as provided by said law, shall be subject to a heavy penalty and the carcasses shall be condemned as unfit for human food. This of course will largely increase the duties of the inspector, but I consider it a step in the right direction, and shall with pleasure enforce it to the letter.

I have issued 320 licenses for the sale of milk, at fifty cents each, which is paid into the city treasury.

My duty is also to seize, quarantine, condemn and kill all animals suffering with contagious or infectious diseases, after a thorough and careful examination and test, and it has been my pleasure to strictly and impartially perform this duty to the best of my ability and the full extent of my authority, thus giving to the inhabitants of New Bedford as little danger as is possible of contracting these fatal and dreaded diseases.

Respectfully submitted,

DR. D. C. ASHLEY,

Inspector.

IN BOARD OF ALDERMEN,
Jan. 23, 1902.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,
Jan. 23, 1902.

Concurred.

W. H. B. REMINGTON, Clerk.

LIST OF JURORS.

CITY OF NEW BEDFORD.

CLERK'S OFFICE,
March 14, 1902.

This certifies the following to be a correct list of persons prepared as provided by law to serve as jurors for the year 1902.

Attest: DANIEL B. LEONARD,
City Clerk

NEW BEDFORD :
THE A. E. COFFIN PRESS, CITY PRINTERS,
1902.

LIST OF JURORS.

A

Adams Alexander H. 115 Park, printer
Adams Charles H. 535 County, no occupation
Adams Stephen F. 223 Maxfield, dry goods
Adshead Frank, 83 Walden, machinist
Akin Charles G. 3 Morgan terrace, merchant
Akin James, 24 North, mechanic
Albiston Roger W. 100 Hillman, tailor
Allen Andrew H. 377 Kempton, mason
Allen Daniel E. 76 Shawmut ave., butcher
Allen Daniel R. 171 Smith, waiter
Allen James H. 103 Chestnut, machinist
Allen Peleg H. S. W. 240 Chestnut, machinist
Alley Alfred G. Jr. 53 Chestnut, grocer
Alley Ernest V. 257 Palmer, advertising writer
Almy Norman L. 21 Morgan, retired
Almy Walter C. clerk
Almy William T. 37 Purchase, shoemaker
Ames Yorick W. 325 Middle, janitor
Andress Benjamin A. 408 Kempton, clerk
Andrews Thomas L. 233 Acushnet ave., grocer
Andrews Wilson P. 169 Acushnet ave., carpenter
Anthony Elisha D. 7 Maple, broker
Anthony George W. 193 Emerson, druggist
Arey Allen C. 159 Washington, gas fitter
Arnott George, 12 Margin, spinner
Ashley Isaac L. 66 Spring, stable
Ashley Joshua B. Jr. 78 North, marketman
Ashley Moses E. H. 99 Fair, clerk
Atwood Herbert M. 49 Smith, carpenter
Atwood William W. 244 Pleasant, janitor

B

Bachelder Percy E. 27 Dartmouth, civil engineer
Backus George F. 2 North Oak, engineer
Baker Ansel G. 183 Fourth, machinist
Baker Daniel W. 60 Fifth, grocer
Baker George A. 261 County, retired
Baker Michael A. 82 Chestnut, master mariner
Baldwin George W. 385 Cottage, blacksmith
Bancroft Julius V. 194 Pleasant, street sprinkler
Bannister John W. 194 Pleasant, merchant
Bannon John H. 11 Hyacinth, plumber
Bannon William F. 11 Hyacinth, clerk
Barrett John R. 5 Richmond, salesman
Barrows Eugene M. 662 County, paint man'f'r
Barry Richard Jr. 285 Cedar, clerk
Bartlett Clarence H. 450 County, clerk
Bassett Andrew H. w. s. Tobey road, butcher
Bassett Ellery R. 166 Mill, electrician
Bassett Walter H. 185 Pleasant, manager
Bassett William A. 83 Summer, fish dealer
Bates Edwin A. 154 North, real estate
Bates James W. 154 Mill, grocer
Bates Lot B. 425 Acushnet ave., grocer
Bates Orrin, 62 Hillman, confectioner
Baudoin Edouard H. 303 County, jeweler
Baylies Charles S. w. s. Acushnet ave., clerk
Bearse Albert C. 7 Franklin, shipping clerk
Bearse Clarence A. 7 Franklin, carpenter
Beetle John H., East French ave., lumber surveyor
Begley Edward J. 15 Chestnut, plumber
Bell Joseph H. 304 County, carriage maker

Bennett William H. 5 Richmond, grocer
Bentley George B. 24 Mosher, top roll coverer
Bentley Loren T. 40 Bowditch, second hand
Bentley Samuel E. 69 County, retired
Bessey James A. 101 Chestnut, printer
Bisbee Frank M. 42 Fifth, agent
Blackmer Herbert A. 46 South Sixth, druggist
Blake George A. 183 Kempton, clerk
Bly Leslie A. 37 Madison, machinist
Bly William L. 67 South Sixth, clothing
Boomer Edwin A. 121 State, millinery
Booth Edward H. 35 Durfee, car inspector
Booth Zachariah E. 320 County, bookkeeper
Borden Albert E. 265 Mill, clerk
Borden Charles F. 275 County, pattern maker.
Borden George B. 1285 Rockdale ave., farmer
Borden Harrison T. 10 Fair, wood and coal
Borden Thomas J. 5 Stone, machinist
Bosworth Peleg, 195 Shawmut ave., salesman
Bouchard John, 31 Richmond, barber
Bowen George H. 63 North Second, moulder
Bowman George L. 19 Shawmut ave., nurse
Bradford Edgar V. 145 Newton, overseer
Bradley William E. 300 County, foreman liv. stable
Braley Jasper W. Jr. 619 County, grocer
Brawley Edward L. 68 Walden, clerk
Brennan John W. 144 Willis, foreman
Briggs Allen G. w. s. Tobey road, blacksmith
Briggs Charles F. 48 Walnut, teamster
Briggs George E. 1 Fair, builder
Briggs Philip S. 173 Acushnet ave., bicycle dealer

Brightman Charles O. 82 Mill, contractor
Brightman Edward T. 42 Campbell, prov. dealer
Brightman George F. 1242 Acushnet ave., master mariner
Brightman Harry C. 187 Pleasant, clerk
Brightman Harry S. 101 Allen, polisher
Bromley David, 951 South Water, grocer
Brooks Arthur T. 54 Chestnut, machinist
Brooks John B. 54 Chestnut, engineer
Brown Charles H. 25 Willow, clerk
Brown James H. 212 North, machinist
Brown Oliver F. 139 Cottage, retired
Brown William L. G. 114 Sycamore, florist
Brownell Charles H. 99 Florence, marketman
Brownell Charles T. 153 Mt. Pleasant, farmer
Brownell Elmer W. 83 Florence, grocer
Brownell Elnathan C. 354 County, marketman
Brownell Gilbert K., Reed, shoe dealer
Brownell Herbert J. 133 Chestnut, clerk
Brownell Myron W. 75 Hillman, paint man'f'r
Brownson George L. 1043 Acushnet av., conductor
Buchell Charles N. 51 Russell, shoe dealer
Burbank John T. 68 Parker, bookkeeper
Burgess Charles T. 74 Willis, shoe cutter
Burgess George W. 68 South Sixth, machinist
Burns Robert O. 215 Arnold, clerk
Burt Henry P. 355 Union, retired
Bush Andrew M. 383 Purchase, tailor
Butler Harry W. 51 Locust, reporter

C

Caldwell Albert F. 101 North Ash, carpenter
Calhoun Charles S. 212 Purchase, baker
Cannon Albert, 34 Willis, clerk
Carroll Charles M. 178 Arnold, clerk
Carroll William E. 580 Kempton, carriage maker
Carter Edward H. 275 Pope, carpenter
Carter John W. 71 Cedar, porter
Case Isaac R. 625 County, clerk
Caswell Oscar F. 72 Hillman, blacksmith
Chadwick Edward E. 118 Mill, meat and prov's
Chadwick Joseph W. 103 Oak, foreman Twist Drill
Chadwick William L. 117 Mill, grocer
Champion John T., Court cor. Liberty, tailor
Chase Charles F. 24 Howard ave., carpenter
Chase Walter F. 17 Fifth, ship carpenter
Chase William F. 318 Mt. Pleasant, farmer
Chase William R. 129 Hillman, insurance agent
Chausse Arthur, 126 Mt. Pleasant, clerk
Chausse Joseph, 126 Mt. Pleasant, grocer
Churchill Benjamin J. 428 Kempton, gas fitter
Clark Charles F. 119 Kempton, pattern maker
Clark Frederick C. 42 Dartmouth, clerk
Cleveland George H. V. D. 69 Forest, baker
Clifton Jireh W. 342 Purchase, plumber
Clynes Thomas J. 5 Wall, clerk
Cobb George A., Bridge road, tinman
Codding Seth E. 8 Spruce, bottler
Coit Manuel, 3 Warwick, clerk
Cole Theodore W. 74 Hillman, marble worker
Cole William Jr. 196 Grinnell, treas. Co-op. Ass'n

Collins Williston H. 20 Arch, book manufacturer
Cook Clarence A. 277 Union, superintendent
Cook D. Herbert, 45 Maitland, mason
Cook Frederick B. 18 Pleasant, janitor
Cook Otis Pierce, 212 Summer, clerk
Cook Thomas W. 129 Clinton, superintendent
Cooke Frank T. 266 Fourth, baker
Cooke Robert, 266 Fourth, baker
Coombs Charles S. 79 Mill, clerk
Cooper William E. 551 Kempton, grocer
Cornell Charles C. e. s. Jenney Lind, market
Cornell Charles R. 283 County, stableman
Cornish Clifton H. 192 Grinnell, insurance
Corson Henry T. 643 County, druggist
Cory George A. 138 State, carpenter
Covell William P. 14 Pope, clerk
Covill Frank O. 53 Emerson, superintendent
Coxen Charles H. 109 Durfee, grocer
Craig John E. W. 157 Chancery, wood dealer
Cranston William W. 143 Washington, upholster
Crapo George G. 168 Shawmut ave., teamster
Croacher Frank, 174 Fourth, lumber dealer
Croacher Thomas W. 121 Fifth, sash & blind maker
Cronin Edward L. 119 Maxfield, merchant
Cross William O. 61 Summer, carpenter
Crowley Timothy, 111 Cedar, machinist
Cummings Benjamin, 31 Clinton, grocer
Cummings Benjamin T. 271 County, clerk
Cummings Frank A. 116 Fourth, grocer
Cundall Charles D. 224 Grinnell, druggist
Curtis Leonard O. 109 Newton, music teacher

Cushing Charles F. 426 Union, merchant
Cushman Herbert E. 85 Cottage, agent

D

Dammon William F. 136 Campbell, clerk
Dantsizen Frank M. 22 Madison, cabinet maker
Dantsizen John G. 25 Cedar, upholster
Darling Edgar W. e. s. Tobey road, box maker
Darling Franklin M. 490 Acushnet ave., clerk
Darling William, e. s. Tobey road, farmer
Davenport August M., Elm and Palmer, painter
Davis Charles E. 17 Chestnut, machinist
Davis Edward G. 195 Shawmut ave., florist
Davis Henry V. Jr., Ocean cor. Arnold, foreman
Davis Herbert E. 135 Locust, motorneer
Dawe Frederick C. 213 Weld, machinist
Deacon William, 417 Union, plumber
Dean A. Herbert, 217 Middle, clerk
Dean Charles F. 59 Elm, painter
Dean George F. 15 Borden, clerk
DeCoff James E. 88 Fifth, shipping clerk
Dehn George R. 23 Linden, baker
Delano Charles H. 9 Myrtle, machinist
Delano George H. 443 Cottage, conductor
Desmond Joseph C. 181 Summer, clerk
DeWolf Alfred W. 109 Elm, hardware dealer
Dexter Arthur A. 56 Campbell, druggist
Dexter Howard N. 56 Campbell, shoemaker
Dion Jean B. 78 Mt. Pleasant, merchant
Dodge George J. 43 Mill, cabinet maker
Dohoney Daniel J. 285 Middle, clerk

Donaghy Thomas Jr. 103 Acushnet ave., clerk
Douglass Frank M. 18 Cedar, druggist
Dow William A. 170 Chancery, shipping clerk
Doyle Patrick J. North Oak, mill operative
Drake Albert B. 121 Cottage, civil engineer
Drake Charles E. 160 William, civil engineer
Driscoll Daniel F. 37 Linden, grocer
Dudgeon Samuel, 74 Willis, clerk
Duggan James P. 89 Chancery, merchant
Dunham Zaccheus C. 54 Hillman, collector

E

Easton Charles F. Jr. 555 Kempton, barber
Eddy George M. 8 Maple, retired
Eggers George A. 72 So. Chancery, gunsmith
Elder Samuel H., 103 School, commercial traveler
Ellison Henry W. 56 So. Emerson, merchant
Emery John C. 57 Bedford, Twist Drill
Ennis Charles T. 114 Fourth, clerk
Ennis John H. 17 Maitland, painter
Estes Andrew L. 115 Campbell, carpenter

F

Fairchild Thomas H. 53 Fifth, druggist
Faisneau George E. Jr. 43 Sycamore, clerk
Faunce Charles L. 13 Pope, carpenter
Ferguson James, 49 State, shoemaker
Field Edward H. 286 Pleasant, clerk
Field Lynn A. 2 Foster, printer
Fish Andrew J. 279 Palmer, tailor
Fisher Sidney S. 6 Franklin, motorman

Fitch Horace A. Mansion house, electrician
Foley William F. 1017 Purchase, weaver
Folger Charles E. 61 Hillman, bookkeeper
Footman John W. 131 Elm, blacksmith
Ford N. Ernest, 67 Willis, agent
Fowler William, 14 Mt. Vernon, assistant supt.
Fuller Frederick S. 92 Hillman, bookkeeper

G

Gabriel Samuel E. Willis street court, driver
Gammons Edgar H. 22 Grand, teamster
Gardner Arnold C. 263 Acushnet av. clerk
Gardner Oliver H. 48 North, carpenter
Geils Charles H. 76 Thomas, reporter
Gibbs John L. 32 Shawmut av. watchman
Gibbs John L. 2d, 27 Sycamore, supervisor of bldgs.
Gibbs William H. H. 59 Shawmut av. eyelet maker
Gibson Samuel S. west side Tobey road, mason
Gifford Abraham, 355 Court, carpenter
Gifford Pardon B. 101 Morgan, reporter
Gifford Richmond A. 101 Cedar, clerk
Gifford Theodore C. 355 County, clerk
Gifford Thomas J. 15 Ashland, plumber
Gifford Timothy M. 44 State, clerk.
Goff George H. 157 Emerson, carpenter.
Gooding Robert A. 177 Cedar, carpenter
Goodwin Albert, 180 Middle, janitor
Gorham Robert S. 79 Morgan, clerk
Greene Matthew L. 22 North, machinist
Greer George, 342 Middle, retired
Greer John, 148 Rotch av. overseer

Grinnell Andrew B. Jr. 1125 Acushnet ave., grocer
Gurl Henry J. 855 County, plumber
Gurney Frank J. e. s. Tobey road, farmer

H

Habicht Frank A. 28 Cottage, printer
Hamblin Frank M. 11 Fifth, clerk
Hammond Francis W. 70 North, carpenter
Hammond John N., Tobey road, w. side, carpenter
Hammond William J. 78 Morgan, Twist Drill
Hand William H. Jr. 464 County, yacht designer
Handford Joseph, 942 Acushnet ave., mule spinner
Harlow Michael F. 363 Coggeshall, loom fixer
Harrison Samuel, 108 Division, grocer
Haskell Edward S, 9 Eighth, florist
Haskins Elmore P. 95 Chestnut, carpenter
Haskins Herbert K. 87 Chestnut, carpenter
Hatch George C. Jr. 1213 Acushnet ave., clerk
Hatch Vinal F. 33 Sycamore, bookkeeper
Hathaway Andrew B., Hathaway road, florist
Hathaway Benjamin F. Jr. 506 Purchase, clerk
Hathaway Charles R. 18 Campbell, laundryman
Hathaway Franklin B., Elm & Palmer, bldg. mover
Hathaway Henry W., Hathaway road, farmer
Hathaway James H., Tarkiln Hill road, butcher
Hathaway James L. 72 Willis, bookkeeper
Hathaway Jethro H. 498 Cottage, carpenter
Hathaway John W., Hathaway road, farmer
Hathaway William E. 411 Cedar, hay & grain dealer
Hawes Frederick B., Tobey road, bookkeeper
Hawes William, 60 Sycamore, retired

Hawes William C. 73 Borden, banker
Hayden Abram L. 181 Smith, janitor
Hayes Lemuel W. 69 Sycamore, engineer
Hazard Alton L. 59 Hill, carriage painter
Headley Phineas Camp Jr. 5 Lincoln, cotton broker
Healey Edward H. 235 Park, grocer
Healey Thomas F. n. s. Belleville road, assessor
Herlihy Patrick, 9 8 Acushnet ave., stone cutter
Higgins Edward O. 1267 Rockdale ave., plumber
Higham Hiram Jr. 110 Merrimac, overseer
Hillman Benjamin, 101 Maxfield, painter
Hillman Charles B. Jr. 152 Fourth, clerk
Hillman Frederick G. 1036 Acushnet ave., clerk
Hindle William T. 279 Pleasant, clerk
Hitch Frank B. 105 Elm, clerk
Hitch Hardy, 18 Willis, upholsterer
Hitch Otis L. 35 South Emerson, upholsterer
Holden Charles H. 327 Cedar, manager
Hook Gilman E. 21 Columbia, contractor
Howard Henry Jr. 22 Arnold place, clerk
Howland Charles S. 100 Hillman, clerk
Howland Daniel W. 305 W. Maxfield, tailor
Howland Edgar F. 84 Forest, spar maker
Howland Ellis L. 64 Borden, reporter
Howland Ezra, 284 Union, farmer
Howland George, 284 Union, farmer
Howland Henry, 280 Pleasant, stove dealer
Howland Paul Jr. 91 State, engraver
Hoxie Frank C. 155 Washington, pattern maker
Hoye James F. 15 Pope, insurance agent
Humphrey James L. Jr. 89 State, butter dealer

Hunt Leander W. 4 Foster, merchant tailor
Hunt Samuel C. 147 Maxfield, architect

J

Jackson George, s. s. Perry, mason
Jackson Thomas W. 597 Maxfield, barber
James Clarence H. 181 Fourth, accountant
Jenney Benjamin F. 43 Arch, no occupation
Jenney Charles C. 37 Bay, machinist
Jenney Harry C. 75 Campbell, superintendent
Jenney Henry P. w.s. Acushnet av. real estate agt.
Jenney Perry P. 151 Kempton, machinist
Jenney Walter A. 151 Kempton, machinist
Jenney William B. 174 Grinnell, mason
Jenney William T. 170 Grinnell, accountant
Jennings Clark H. 357 Reed, driver
Jennison Charles J. 17 Franklin, pattern maker
Jewett William N. 216 Grinnell, merchant

K

Keen Charles F. 79 Locust, carpenter
Keen Leonard, Jr. 39 Parker, carpenter
Kelleher Daniel, 300 Purchase, bomb lance manfr.
Kelleher Daniel J. 433 Purchase, printer
Kelley L. Aubert, 253 Acushnet av. pressman
Kelley William E. 158 Grinnell, bookkeeper
Kelley William L. 478 County, jeweler
Kern William E. 76 Forest, painter
Kern William E. Jr. 27 Dartmouth, clerk
Kilburn Frank J. 264 County, machinist
King Benjamin F. 690 Cottage, conductor

King Burgess T. w.s. Elm n. Reed, carriage maker
King Isaiah, 67 No. Ash, jobber
King Philip R. 95 Willis, carriage maker
Kirby Frank R. 150 Cottage, merchant
Kirk John F. 94 State, grain business
Knowles Henry M. 178 Hawthorn, retired
Knowles John P. Jr. 485 County, retired
Knowles Joseph F. 181 Hawthorn, treasurer
Knowles Thomas P. 400 Pleasant, plumber
Knowles John W. 10 Orchard, superintendent
Knowles Winthrop C. 120 Bedford, clerk
Knox William J. 183 Campbell, clerk
Krober William G. 35 Tremont, florist.

L

Lagasse Adolph P. 825 County, undertaker
Lamb William G. 406 Union, janitor
Langshaw Walter H. 314 County, superintendent
Lapham Leonard C. 183 Pleasant, clerk
Lawrence Cyrus T. w. s. Tobey road, retired
Lawton Charles H. 89 Elm, retired
Leach William H. H. 75 Sycamore, trav. salesman
Leach William W. 163 Maxfield, clerk
Leary Dennis Jr. 278 Austin, blacksmith
LeBaron Alonzo T. 46 Hill, eyelet maker
Lees Albert, Woodlawn av. electrician
Lees Sidney, 29 Social, overseer
Lewin Charles, 247 Cedar Grove, loom fixer
Lewis Edgar R. 193 Cottage, clerk
Lewis William J. 717 County, cotton broker
Lincoln Arthur F. 286 Pleasant, conductor

Linton Frank I. 107 Maxfield, carriage maker
Louis Thomas W. 228 North, barber
Lowe John H. 935 Acushnet ave., retired
Lowe Samuel J. 86 Kempton, shoemaker
Lucas Everett A. 109 Hathaway ave., carpenter
Luce Thomas E. 201 Cedar, grocer
Luce William T. Jr., Mill, north of Florence, grocer
Luscomb Frederick W. 101 Maxfield, machinist
Lyons Thomas H. 63 Robeson, driver

M

MacBride Robert, 11 Austin ct., watchman
Macomber George P. 774 County, copper works
Macomber Pardon A. 201 Kempton, agent
Macy Arthur W. 161 Grinnell, jeweler
Macy Thomas W. 10 Allen, bookkeeper
Maine Henry M. 36 North, carpet cleaner
Manchester James H. 690 Kempton, clerk
Manseau John D. 30 Durfee, clerk
Martin Edward H. 28 Kempton, reporter
Marts Andrew M. 295 Palmer, engineer
Mason John L. G. 53 North, mason
Maxfield Charles T. Mechanics lane, printer
Maxfield Frederick T. 191 Kempton
McAfee John K. 63 Fifth, fruit dealer
McAuliffe Dennis J. 166 Allen, janitor
McBride John E. 284 Fourth, printer
McCarty Mortimer, 27 Clark, teamer
McCullough John Jr. 55 Maxfield, merchant
McDonald Hugh J. 195 So. Second, carriage smith
McFarlin Albert C. 71 Spruce, driver

McGuinness John F. 95 Court, milliner
McSweeney Myles, 83 Rivet, teamster
Meaney John J. 25 Crapo, carpenter
Meaney Thomas J. 25 Crapo, real estate agent
Merrill Converse, 55 Chestnut, telegraph operator
Merritt George H. Plainville road, farmer
Metcalf Frank M. 224 North, civil engineer
Milliken Lewis E. 73 Hillman, grocer
Mills William J. 809 County, no occupation
Monroe Frederick S. 474 Kempton, stenographer
Moriarty John E. 133 Fourth, undertaker
Morse Willard H. 271 Pleasant, dry goods
Mosher Charles A. 202 Rockland, carpenter
Mosher Charles H. 1372 Rockdale av. ice dealer
Mosher Frank T. 216 Rockland, carpenter
Mosher Frederick W. 173 Washington, foreman
Mottram George S. 32 Stapleton, store keeper
Moulton Augustus G. 56 Hill, bookkeeper
Murkland Frank H. 55 Walnut, civil engineer
Murphy Dennis E. 24 Katharine, spinner
Murphy Edward M. 31 Richmond, clerk
Murphy Thomas D. 102 Merrimac, weaver
Muspratt John, 87 So. Sixth, printer.
Myrick Walter R. 13 Eighth, clerk

N

Neal George A. 53 Cottage, shoe dealer
Nicholas Andrew F. 39 Bullock, shoe cutter
Nicholson John G. 115 Hillman, lumber dealer
Nofftz Richard, 969 Kempton, florist
Norcross John C. 345 Reed, mason

Norton Thomas J. 52 Locust, foreman
Nye Frederick L. 324 Park, clerk
Nye George E. 359 County, machinist
Nye George H. 323 Cottage, civil engineer
Nye Pemberton H. 709 County, merchant

O

O'Brien John N. 103 Robeson, wood and coal
Oesting F. William, 689 County, trader
Offley John R. 289 Hillman, barber
Oman Charles A. 14 Allen, overseer
Oman Charles E. 14 Allen, third hand
Omerod James 1039 County, shoemaker
O'Neal William H. 34 Emerson, salesman
O'Rourke William H. 11 Hyacinth, insurance
Owen Alfred, 89 Fruit, grocer

P

Paige Walter H. 19 Mill road, laborer
Paine Olin S. 87 State, clerk
Parker James N. 91 School, salesman
Parsons Thomas L. 131 Elm, broker
Paul John W. 71 Morgan, insurance agent
Paulding John I. 4 Smith, salesman
Pease William W. 234 Shawmut av. machinist
Peckham Frank B. 117 Court, fish dealer
Peckham Frank H. 59 School, teamster
Peckham Reuben B. lane off Tobey road, mason
Peirce Leland C. 61 Hillman, clerk
Pell Walter D. 428 Kempton, janitor
Penney B. Frank, 2 Spruce, printer

Perkins John A. 159 Hillman, roofer
Perry George S. 25 Lincoln, teller
Perry Henry C. 671 County, grocer
Perry Samuel H. 111 Hillman, hat dealer
Phinney Nathan D. 221 Pleasant, gents' furn'sh'ngs
Phinney Otis B. 84 Elm, clerk
Pierce Edward M. 622 County, stable
Plummer Charles W. 163 Hawthorn, merchant
Plummer Henry M. 144 Hawthorn, merchant
Plummer Leander A. Jr. 148 Hawthorn, artist
Pollock Frederick O. 171 Mill, janitor
Poisson Ludger, 93 Mt. Pleasant, merchant
Pool Arthur T. Plainville road, teamster
Pool Willard G. 232 Shawmut av. carpenter
Pope Abner P. 63 Thomas, carpenter
Potter Charles W. H. 209 Summer, carpenter
Potter Edwin L. 60 Dartmouth, grocer
Potter Frederick S. 143 Hawthorn, broker
Potter Stephen R. 91 Court, clerk
Priaulx Peter, 177 Arnold, gardener
Price Charles R. Arnold place, treas. N. B. Gas & Edison Electric Light Co.
Proulx Joseph, 26 Reynolds, druggist

R

Raymond Calvin, Jr. 104 Smith, expressman
Raymond Charles, 85 Sycamore, milk dealer
Reed Edmund A. 8 Fifth, clerk
Reed Leander, 35 Bay, grocer
Remington, Emerald A. 87 Ashland, painter
Rexford, George P. 68 School, machinist

Reynolds Alonzo F. 243 Chestnut, car inspector
Reynolds Edwin G. 210 Pleasant, livery stable
Reynolds William D, 178 North, salesman
Rice Arthur W. 595 Union, clerk
Rice Damon W. 174 Washington, clerk
Richards George D. 107 Elm, house furnishings
Richards William D. 61 Fifth, stable keeper.
Ricketson Orion, 146 State, plumber
Riley John S. 162 Chancery, rope maker
Riley Peter J. 109 Austin, boots and shoes
Robbins Charles B. 626 County, clerk
Robenolt Edward S. 23 Sycamore, janitor
Robinson Anthony,239 Fourth, cigar manufacturer
Robinson William, 38 Reynolds, packer
Robinson William A. Jr. 84 Hawthorn, clerk
Roddy James, 6 Pearl, retired
Rooney John P. rear 93 Bedford, gardener.
Roy Arthur, 159 Coggeshall, teamer.
Ruggles John A. Jr. 78 Chestnut, merchant
Russell Charles D. 22 Allen, salesman
Russell John A. w. s. Tobey road, farmer
Russell Nathaniel D. 31 Parker, retired
Russell Pardon, Jr. 1107 Rockdale av. ice dealer

S

Sadler George H. 74 Allen, foreman
Salley George E. 257 Palmer, printer
Sanders Henry V. 224 Pleasant, real estate agent
Sargent William, 103 Austin, motorman
Savage John, 688 Purchase, confectionery.
Sawtelle Frank C. 329 Cottage, clerk.

Saxon George E. 628 Purchase, retired
Scammons Joseph H, 293 Austin, gardener
Schuler Jacques, 33 Sycamore, shoe dealer
Schwall James B. 25 Bonney, druggist
Searell Charles T. 59 Kempton, carpenter
Serpa Charles A. 48 So. Sixth, clerk
Shaw Charles F. 395 Purchase, assessor
Shaw Elmer H. 71 Fourth, variety store
Sherman J. Clifford, 185 Fourth, real estate
Sherman Frederick W. 116 High, printer
Sherman James H. 192 Middle, plumber
Sherman James L. 43 Mill, lumber dealer
Sherman John D. 24 Vine, collector
Shurtleff Israel H. 252 County, druggist
Sisson William H. A. 308 County, decorator
Slocum, Francis R. 5 Maple, furniture dealer
Smith Abbott P. 25 Seventh, real estate
Smith Alexander T. 97 Hillman, clerk
Smith George, Brock av. mill overseer
Smith George T. 107 Cedar, gas fitter
Smith Henry W. 27 Seventh, photographer
Smith Hoyland, 229 Acushnet av. bicycle dealer
Smith James, 91 County, spinner
Smith John, 276 Coggeshall, weaver
Smith Nathaniel C. 597 County, architect
Smith Shubael D. Jr. 81 Mill, clerk
Smith William E. 9 Arch, dye house
Snell William G. 281 Park, foreman
Snell William L. 302 County, collector
Snow Loum, Page, merchant
Sowle Frederick L. 26 Sycamore, hardware

Spencer Samuel R. 76 Shawmut av. printer
Spooner Albert F. e. s. Tobey road, carpenter
Spooner Arthur C. 182 Chancery, clerk
Spooner Edward F. 682 Kempton, ice dealer
Spooner John A. 2d, e.s. Tobey road, carpenter
Spooner Roswell, e.s. Tobey road, farmer
Stanton Henry H. 12 So. Ash, clerk
Stedman Lewis W. 104 Fifth, insurance agent
Stetson George R. 67 Bedford, president Gas Co.
Studley Alfred G. 197 Middle, bookkeeper
Stevens Henry A. 1195 Rockdale av. painter
Stirritt John H. 104 No. Ash, tinsmith
Stowell Alexander T. e. s. Rockdale av. shoemaker
Stowell Benjamin I. s.s. Elm e. of Reed, teamster
Swanton John D. County and Hillman, shoemaker
Swift Anderson H. 74 South, carriage trimmer
Swift Edward B. 38 Willis, clerk
Swift Ezra J. 18 Campbell, yeast dealer
Swift George B. 83 Mill, clothing dealer
Swift Jireh. Jr. 1 Clinton, merchant
Swift John F. 369 Purchase, accountant
Swift LeRoy W. 191 Washington, bookkeeper
Swift Thatcher S. 118 So. Sixth, livery stable
Sylvia Anthony L. 89 So. Sixth, merchant
Sylvester Robert R. 380 Kempton, shoe dealer

T

Taber Arthur K. 141 Summer clerk
Taber Edward C. e. s. Acushnet av. grocer
Taber Henry G. 201 Park, machinist
Taber Robert W. 48 Fifth, bookseller

Taylor John W. 195 Acushnet av. machinist
Taylor William H. 233 Acushnet av. machinist
Thompson James O. Jr. 233 Summer, supt.
Thompson James W. 119 Maxfield, engineer
Thompson Thomas, 136 No. Second, marble worker
Thomson Pardon G. 10 So. Sixth, merchant
Thorley Francis, 515 Rivet, carpenter
Thornton Walter S. 18 Seventh, retired
Tilden Andrew, 61 Cottage, confectioner
Tilton Charles C. 396 Purchase, bookkeeper
Tobey Warren P. 39 Locust, publisher
Toomey Dennis H. rear 36 Linden, clerk
Topham William B. 15 Elm, accountant
Tourtellot William E. 65 Walden, printer
Tripp Andrew W. 45 Durfee, shoemaker
Tripp Augustus C. 80 Ashland, grocer
Tripp Christopher B. 12 Sherman, blacksmith
Tripp Edwin I. 99 Florence, butcher
Tripp Eliphalet A. 527 Cottage, agent
Tripp Everett C. 62 Shawmut av. clerk
Tripp Frank G. 82 State, laundry
Tripp, Thomas B. 37 Allen, real estate agent
Truman George H. 2 Ashland place, loomfixer
Tuell Frank P. P. 304 County, market
Turner Elbridge A. Hathaway road, shoemaker

U

Underwood Arthur P. 48 Mill, clerk

V

Van Buskirk Roland N. 176 Pleasant, real estate
Vaughan Harry C. 17 Borden, telegrapher
Vaughan Weston C. Jr. 323 Purchase, undertaker
Vinal Charles H. 56 Foster, accountant

W

Wade Joseph B. 83 Willis, merchant
Waite Stephen E. 373 Purchase, piano tuner
Warren David, 255 State, livery stable
Warren Joseph C. 182 Cove, carpenter
Washburn Francis P. w. s. Tobey road, carpenter
Washburn Fred G. 190 Pleasant, carpenter
Washburn George E. w. s. Tobey road, mechanic
Waterman William H. 9 Arch, retired
Watkins James B. 20 Allen, retired
Webb Hezekiah, 622 Maxfield, porter
Weeden Fred M. 39 Dartmouth, clerk
Wentworth Frank W. 74 Walnut, merchant
West William F. n. s. Plainville road, painter
West William R. 321 Union, painter
Wheaton Walter F. 64 Mill, publisher
Whittaker Benjamin, 254 Chestnut, electrician
Whittaker Edwin, 140 State, agent
Whittaker Henry, 643 Purchase, second hand
Wilbur Harry D. 441 Cottage, carpenter
Wilcox Benjamin, 399 County, superintendent
Wilcox Charles A. 274 Cedar, carpenter
Wilcox Frank S. 53 So. Sixth, broker
Wilde Albert, 441 Pleasant, newsdealer
Wilde Cyrus, 181 Shawmut av. mule spinner

Williams, Manuel A. 24 Katherine, clerk
Wilson Daniel W. 43 Foster, retired
Wing Charles F. 37 So. Sixth, merchant
Wing Charles H. 133 Chestnut, agent
Winn Patrick J. 585 Purchase, painter
Wood Edmund, 6 Orchard, merchant
Wood Francis T. 138 Fourth, shoemaker
Wood George R. 60 Fourth, lumber dealer
Wood Harry A. 91 State, bookkeeper
Wood James Augustus, 91 State, carriage maker
Wood William B. 3 Popes Island, merchant
Wood William H. 408 County, merchant
Woodward, Francis, 352 Union, cotton broker
Wordell Franklin B. 228 Pleasant, real estate.
Wrigley, James, 280 Sawyer, overseer.

Y

York William, 888 Rockdale av. clerk
Young James A. 63 No. Second, bookkeeper.

CITY OF NEW BEDFORD.

ORDINANCES.

In the Year One Thousand Nine Hundred and Two.

AN ORDINANCE

To Provide for the Licensing of Suitable Persons as Junk Collectors.

Be it ordained by the City Council of the City of New Bedford, as follows:

Section 1. The Mayor and Aldermen may, as provided by Chapter 102 of the Revised Laws of the Commonwealth, as amended by Chapter 187, Acts of 1902, license suitable persons to be Junk Collectors, to collect, by purchase or otherwise, junk, old metals and second-hand articles from place to place within the limits of the City of New Bedford; subject to the provisions of Sections 186 to 189 of said Chapter 102, and may revoke such licenses at pleasure; and any place, vehicle or receptacle used for the collection or keeping of the articles aforesaid, may be examined at all times by the mayor and Aldermen, or by any person authorized by them so to do.

SECTION 2. Such licenses may be granted in the month of April, to take effect on the first day of May following, shall be signed by the City Clerk, shall set forth the name of the licensee, the nature of the business, and shall continue in force until the first day of May following the day of the taking effect thereof.

SECTION 3. When so directed by the Mayor and Aldermen, such collectors shall, when engaged in collecting, transporting or dealing in junk, old metals or second-hand articles, display badges upon their person or upon their vehicles, or upon both, the design thereof to be prescribed by the Mayor and Aldermen.

SECTION 4. Whoever not being so licensed, pursues the business of Junk Collector, or being licensed, after notice to him that his license has been revoked, shall forfeit twenty dollars for each offence, and whoever violates any rule, regulation or restriction contained in his license, shall forfeit not more than twenty dollars for each offence.

SECTION 5. This ordinance shall take effect upon its passage.

IN BOARD OF ALDERMEN, May 8, 1902.
Passed to be ordained.
LOUIS Z. NORMANDIN, Acting Mayor.

IN COMMON COUNCIL, May 8, 1902.
Passed to be ordained.
SAMUEL HIGHAM, President.

Approved May 9, 1902.
CHAS. S. ASHLEY, Mayor.

A true copy.
D. B. LEONARD, City Clerk.

CITY OF NEW BEDFORD.

In the Year One Thousand Nine Hundred and Two.

AN ORDINANCE

Relating to Highways, Streets and Sidewalks.

Be it ordained by the City Council of the City of New Bedford, as follows:

Section 1. The Mayor and Aldermen, in addition to their authority as surveyors of highways under the laws of the Commonwealth, shall have charge of all the operations upon the highways, streets and sidewalks of the city. All the work of construction and repairs upon the highways, streets and sidewalks, whatever may be the character of the same, shall be performed under their management and direction; and in the absence of any instructions from the City Council, they shall determine the extent of such operations, the methods to be pursued, and the materials to be used; provided, however, that nothing in this section shall warrant any expenditure by the Mayor and Aldermen as aforesaid, beyond the amount appropriated by the City Council for general or special purposes.

Section 2. The Mayor and Aldermen may adopt such orders as may be necessary relating to the care and maintenance of the public streets.

Section 3. The Mayor and Aldermen shall have the care and management of the city stable, and all the operations connected with the same for the preservation of the health and comfort of the inhabitants of the city, as well as the operations upon the streets as set forth in the preceding sections; and may make all such arrangements and regulations as they judge necessary for the

removal of any dangerous, filthy or unpleasant deposits or accumulations in any of the public streets and ways of the city.

SECTION 4. The Mayor and Aldermen shall annually in the month of April appoint a suitable person to be Superintendent of Streets, and establish his salary. The Superintendent of Streets, subject to the control and direction of the Mayor and Aldermen,

Shall have the general care and charge of the highways, streets, lanes, sidewalks and bridges of the city;

Shall attend to making repairs upon and alteration thereof;

Shall cause them to be kept in good repair, so as to be reasonably safe for passengers, and for travelers with their horses, teams and carriages at all seasons of the year;

Shall cause all nuisances and obstructions therein to be forthwith removed, or their existence communicated to the Mayor or Chief of Police;

Shall have the charge of the city stable, and all the teams, carts and all other things belonging thereto or connected therewith, whether employed in operations upon the streets or in removing the filth and rubbish deposited therein for removal;

Shall have charge of all the persons who may be employed under the provisions of this chapter to perform any labor or duty upon the streets or in connection with the work of the city stable; shall keep the account of labor performed by each individual, and shall, every week, at such time as the Joint Standing Committee of Audit shall direct, make up and place in the hands of the Mayor complete rolls of the names, time of work, pay and amount due to each person employed, as well as to himself, arranging said rolls under such separate heads of expenditure as the character of the work performed shall require;

Shall make all contracts for labor or materials which may be necessary for the full performance of the several duties he may be directed to discharge; and shall exercise a constant and careful supervision over the highways, streets, and footways or sidewalks of the city; and shall, whenever they are found unsafe or inconvenient for travelers or passengers, and during the time necessary for any needful alterations or repairs, keep a suitable fence across such highways, streets, bridges or footways, so as to exclude all travelers from passing the same, or cause such parts as are unsafe or inconvenient to be inclosed by a sufficient fence, and as long as may be necessary for the protection of the inhabitants, fix upon or near the places as many lighted lanterns as safety and convenience may require during the twilight and darkness of every night.

SECTION 5. Said Superintendent shall annually, in the month of January, present to the City Council a detailed account, showing the expenses, material and other property on hand, the work done and other facts in relation to his department.

SECTION 6. This ordinance shall take effect on the eleventh day of July in the year one thousand nine hundred and two.

IN COMMON COUNCIL, June 26, 1902.
Passed to be ordained.
SAMUEL HIGHAM, President.

IN BOARD OF ALDERMEN, June 26, 1902.
Passed to be ordained.
CHAS. S. ASHLEY, Mayor.

Approved June 27, 1902.
CHAS. S. ASHLEY, Mayor.

A true copy. Attest:
DANIEL B. LEONARD, City Clerk.

CITY OF NEW BEDFORD.

In the Year One Thousand Nine Hundred and Two.

AN ORDINANCE

Relating to Main Drains and Common Sewers.

Be it ordained by the City Council of the City of New Bedford, as follows:

Section 1. All the main drains and common sewers which have been laid down under the authority of law, and which are now the property of the city, shall be kept in repair by the Mayor and Aldermen, and all main drains and common sewers which may hereafter be constructed according to law, shall be constructed and maintained by the Mayor and Aldermen.

Section 2. All main drains and common sewers which shall be hereafter authorized, in any street or highway, shall be laid as nearly as possible in the centre of such street or highway, and shall be constructed of such materials and of such dimensions as the Mayor and Aldermen shall direct.

Section 3. All particular drains which shall hereafter be connected with any common sewer, shall be built of such materials, dimensions and descriptions, with such descent, and in such manner as the Mayor and Aldermen shall direct, and they shall be at all times subject to be enlarged or otherwise altered by the Mayor and Aldermen, as in their judgment the public health or convenience shall require.

Section 4. The Board of Health shall have power to cause every owner of land adjoining any street through which a common sewer shall be laid, or his agent or

tenant, to make a sufficient drain from his house or lot into said sewer, whenever in their opinion the same shall be necessary for the public health, and shall thereupon give such owner, agent or tenant notice in writing specifying the time within which such drain shall be completed; and in case the said owner, agent or tenant shall neglect to complete the same within the time specified, the Mayor and Aldermen shall, if the Board of Health so order, cause the same to be done at the expense of such owner or occupant.

SECTION 5. It shall be lawful for all persons having the care of buildings, at their own expense, to carry the rain water from the roof of said buildings into any common sewer, free of any charge from the city; provided, that the same be done by tight water-spouts and tubes underground, and under the direction of the Mayor and Aldermen.

SECTION 6. Every person who may wish to enter a particular drain into any common sewer to make repairs to a drain already laid shall first obtain a permit from the Mayor and Aldermen. All work done under such permit shall be done by the Superintendent of Streets and the expense charged to the applicant. Before such work is commenced, application for the same to be done shall be made at the office of the City Clerk, who shall keep a record of all such permits in a book provided for that purpose. All applications for private drains shall be submitted to the City Engineer for an estimate of the cost, which estimated amount shall be deposited with the City Treasurer previous to the laying of such drain by the Superintendent of Streets. When such drain is finished, if the cost of the same does not amount to the estimate, the City Treasurer shall remit the balance to the applicant; and if the cost of the work exceeds the estimate, the applicant shall immediately upon receipt of a bill for the same, pay the difference to the City Treasurer.

SECTION 7. Every person entering a particular drain into any common sewer, without a permit in writing from the Mayor and Aldermen, shall forfeit and pay the sum of twenty dollars, and also be liable to pay all such damage by way of indemnification, as the Mayor and Aldermen shall deem just and reasonable. And all such persons to whom such permits shall be granted, on account of lands not subject to assessment, as herein provided, shall pay therefor such sums of money, not less than ten dollars, as the Mayor and Aldermen may determine.

SECTION 8. The Superintendent of Streets shall be ex-officio Superintendent of Common Sewers, and shall, under the direction of the Mayor and Aldermen, have the general supervision of all common sewers which may hereafter be built or opened by the city, or which may be permitted to be built or opened by its authority, and he shall take charge of the building and repairs of the same.

SECTION 9. Plans and descriptions of all main drains and common sewers, with a true record of the charges of making and repairing the same, and of all assessments therefor, shall be kept by the City Clerk in his office, in a book to be called the Record of Sewers. Said plans and descriptions shall be furnished by the City Engineer. Said plans shall show the streets through which the same are laid, and those immediately contiguous thereto, and a plan of all estates abutting on said street.

SECTION 10. The Superintendent of Sewers shall keep an accurate and detailed account of the expense of constructing any common sewer, and shall, as soon as possible after its completion, make a report of such expense to the Mayor and Aldermen. Said superintendent shall also annually, in the month of January, present to the City Council a detailed account, showing the expenses, the material and other property on hand, the work done and other facts relating to this department.

SECTION 11. It shall be the duty of the Mayor and Aldermen to apportion and assess upon the several persons and estates adjoining the street and deriving benefit from such common sewer, either by entry of their particular drains therein, or by any more remote means, a proper portion of the cost and expense of the construction of such sewer; and they shall order the City Treasurer to collect the same according to law; and in making such assessments, said expense shall be apportioned according to the value of the lands thus benefitted, independently of any buildings or improvements thereon.

SECTION 12. The City Clerk shall enter in a book, to be kept for that purpose, a record of all such assessments made by order of the Mayor and Aldermen, and shall forthwith make out a transcript of the same, which shall be certified by him, and have attached thereto a warrant signed by the Mayor, directed to the City Treasurer, directing that officer to collect the same according to law. The City Treasurer shall forthwith demand payment of the same in writing of the parties liable for said assessments, and he shall proceed to collect in accordance with the provisions of law all such assessments as remain unpaid at the expiration of three months from the date of such demand.

SECTION 13. Whenever any repairs are necessary upon any main drain or common sewer, the Mayor and Aldermen may order that the expense thereof shall be apportioned in accordance with the provisions of law and of this chapter in relation to their construction; in which case the same form of assessment and collection shall be pursued as is provided in the case of construction.

SECTION 14. Every person who shall enter a particular drain into the channel or conduit constructed by order of the City Council, and known as Tripp's Brook sewer, shall pay for the right to do so the sum of twenty dollars.

SECTION 15. This ordinance shall take effect on the eleventh day of July in the year one thousand nine hundred and two.

IN COMMON COUNCIL, June 26, 1902.
Passed to be ordained.
SAMUEL HIGHAM, President.

IN BOARD OF ALDERMEN, June 26, 1902.
Passed to be ordained.
CHAS. S. ASHLEY, Mayor.

Approved June 27, 1902.
CHAS. S. ASHLEY, Mayor.

A true copy. Attest:
DANIEL B. LEONARD, City Clerk.

CITY OF NEW BEDFORD.

In the Year One Thousand Nine Hundred and Two.

AN ORDINANCE

Relating to the Care of Shade Trees.

Be it ordained by the City Council of the City of New Bedford, as follows:

Section 1. Section 1 of Chapter 45 of the Ordinances is hereby repealed.

Section 2. The Superintendent of Streets shall, ex-officio, have the care of the shade trees and trees belonging to the city, and shall perform all the duties specified by law pertaining to the office of City Forester. He shall receive such compensation as the City Council may from time to time determine.

Section 3. This ordinance shall take effect on the eleventh day of July, nineteen hundred and two.

In Common Council, June 26, 1902.
Passed to be ordained.
SAMUEL HIGHAM, President.

In Board of Aldermen, June 26, 1902.
Passed to be ordained.
CHAS. S. ASHLEY, Mayor.

Approved June 27, 1902.
CHAS. S. ASHLEY, Mayor.

A true copy. Attest:
DANIEL B. LEONARD, City Clerk.

CITY OF NEW BEDFORD.

In the Year One Thousand Nine Hundred and Two.

AN ORDINANCE

PROVIDING FOR THE APPOINTMENT OF A JOINT STANDING COMMITTEE ON ROADS, BRIDGES AND SEWERS.

Be it ordained by the City Council of the City of New Bedford, as follows:

SECTION 1. As soon as this ordinance shall take effect and thereafter at the commencement of each municipal year, there shall be appointed a Joint Standing Committee on Roads, Bridges and Sewers. Said committee shall consist of two Aldermen and three members of the Common Council; and all matters brought before the City Council relating to work to be done upon the roads, bridges and sewers of this city may be referred to said committee for investigation and report.

SECTION 2. This ordinance shall take effect July eleventh, nineteen hundred and two.

IN COMMON COUNCIL, June 26, 1902.
Passed to be ordained.
SAMUEL HIGHAM, President.

IN BOARD OF ALDERMEN, June 26, 1902.
Passed to be ordained.
CHAS. S. ASHLEY, Mayor.

Approved June 27, 1902.
CHAS. S. ASHLEY, Mayor.

A true copy. Attest:
DANIEL B. LEONARD, City Clerk.

CITY OF NEW BEDFORD.

In the Year One Thousand Nine Hundred and Two.

AN ORDINANCE

AMENDING CHAPTER XXII OF THE ORDINANCES.

Be it ordained by the City Council of the City of New Bedford, as follows:

SECTION 1. Chapter XXII of the Ordinances is hereby amended by substituting the words "Mayor and Aldermen" in place of the words "Board of Public Works," wherever the latter words appear in said chapter.

SECTION 2. This ordinance shall take effect on the eleventh day of July, in the year one thousand nine hundred and two.

IN COMMON COUNCIL, June 26, 1902.
Passed to be ordained.
SAMUEL HIGHAM, President.

IN BOARD OF ALDERMEN, June 26, 1902.
Passed to be ordained.
CHAS. S. ASHLEY, Mayor.

Approved June 27, 1902.
CHAS. S. ASHLEY, Mayor.

A true copy. Attest:
DANIEL B. LEONARD, City Clerk.